

# IDNext 971 P/B -HC

Electronic controllers compatible with flammable refrigerant gases

## Parameters Tables



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## User Parameters IDNext 971 P/B

| Parameter      | Description                                                                                                                                                                                                                  | Range               | MU    | Custom | Default                 | AP1   | AP2   | AP3   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------|--------|-------------------------|-------|-------|-------|
| <b>SEt</b>     | Control setpoint with range between the minimum <b>LSE</b> setpoint and the maximum <b>HSE</b> setpoint. The setpoint value is set in the 'Machine Status' menu.                                                             | <b>LSE...HSE</b>    | °C/°F |        | 3.0                     | 3.0   | 0.0   | -18.0 |
| <b>dIF</b>     | Compressor relay activation differential; the compressor stops when the setpoint value is reached (as indicated by the control probe) and restarts at a temperature value equal to the setpoint plus the differential value. | 0.1...30.0          | °C/°F |        | 2.0                     | 2.0   | 2.0   | 2.0   |
| <b>LSE</b>     | Minimum setpoint value.                                                                                                                                                                                                      | -67.0... <b>HSE</b> | °C/°F |        | -55.0                   | -55.0 | -55.0 | -55.0 |
| <b>HSE</b>     | Maximum setpoint value.                                                                                                                                                                                                      | <b>LSE</b> ...302   | °C/°F |        | 140.0                   | 140.0 | 140.0 | 140.0 |
| <b>dEt</b>     | Defrost timeout. Determines the maximum duration of the defrost                                                                                                                                                              | 1...250             | min   |        | 30                      | 30    | 30    | 30    |
| <b>dS1</b>     | Evaporator 1 defrost end temperature (measured by probe Pb2)                                                                                                                                                                 | -67.0...302         | °C/°F |        | 8.0                     | 8.0   | 8.0   | 0.0   |
| <b>dit</b>     | Time interval between one defrost and the next                                                                                                                                                                               | 0...250             | hours |        | 6                       | 6     | 6     | 6     |
| <b>FSt</b>     | Fan disabling temperature; a value, read by the evaporator probe.                                                                                                                                                            | -67.0...320         | °C/°F |        | 8.0                     | 8.0   | 8.0   | 8.0   |
| <b>Fdt</b>     | Fan activation delay time after a defrost.                                                                                                                                                                                   | 0...250             | min   |        | 0                       | 0     | 0     | 0     |
| <b>dt</b>      | Dripping time.                                                                                                                                                                                                               | 0...250             | min   |        | 0                       | 0     | 0     | 0     |
| <b>dFd</b>     | Used to select or deselect the exclusion of the evaporator fans during defrosting.<br><ul style="list-style-type: none"> <li>• <b>n</b>(0) = no</li> <li>• <b>y</b>(1) = yes (fan excluded - off).</li> </ul>                | n/y                 | flag  |        | y                       | y     | y     | y     |
| <b>HAL</b>     | Maximum temperature alarm. Temperature value (in an absolute or relative value - see <b>Att</b> ) which, when exceeded, will lead to the activation of alarm signaling.                                                      | <b>LAL</b> ...302   | °C/°F |        | 150.0                   | 150.0 | 150.0 | 150.0 |
| <b>LAL</b>     | Minimum temperature alarm. Temperature value (in an absolute or relative value - see <b>Att</b> ) which, when not reached, will lead to the activation of alarm signaling.                                                   | -67,0... <b>HAL</b> | °C/°F |        | -50.0                   | -50.0 | -50.0 | -50.0 |
| <b>CA1 (!)</b> | Positive or negative temperature value to be added to the value of Pb1.                                                                                                                                                      | -30.0...30.0        | °C/°F |        | 0.0                     | 0.0   | 0.0   | 0.0   |
| <b>CA2 (!)</b> | Positive or negative temperature value to be added to the value of Pb2.                                                                                                                                                      | -30.0...30.0        | °C/°F |        | 0.0                     | 0.0   | 0.0   | 0.0   |
| <b>PS1</b>     | When enabled ( <b>PS1</b> ≠0) this is the access key for the user parameters.                                                                                                                                                | 0...250             | num   |        | 0                       | 0     | 0     | 0     |
| <b>H42</b>     | Probe Pb2 present.<br><ul style="list-style-type: none"> <li>• <b>n</b>(0) = not present</li> <li>• <b>y</b>(1) = present.</li> </ul>                                                                                        | n/y                 | flag  |        | y                       | y     | y     | y     |
| <b>tAb</b>     | Reserved: read-only parameter.                                                                                                                                                                                               | /                   | /     |        | / (not in applications) |       |       |       |

**Note:** the "User" menu parameters also include **PA2**, which allows access to the "Installer" menu.

**Note:** for the full list of parameters, see the section "**Installer parameters**".

## Installer Parameters IDNext 971 P/B

| Parameter              | Description                                                                                                                                                                                                                                                                                                            | Range               | MU    | Custom | Default | AP1   | AP2   | AP3   |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------|--------|---------|-------|-------|-------|
| <b>SEt</b>             | Control setpoint with range between the minimum <b>LSE</b> setpoint and the maximum <b>HSE</b> setpoint. The setpoint value is set in the 'Machine Status' menu.                                                                                                                                                       | <b>LSE...HSE</b>    | °C/°F |        | 3.0     | 3.0   | 0.0   | -18.0 |
| <b>CP (Compressor)</b> |                                                                                                                                                                                                                                                                                                                        |                     |       |        |         |       |       |       |
| <b>diF</b>             | Compressor relay activation differential; the compressor stops when the setpoint value is reached (as indicated by the control probe) and restarts at a temperature value equal to the setpoint plus the differential value.                                                                                           | 0.1...30.0          | °C/°F |        | 2.0     | 2.0   | 2.0   | 2.0   |
| <b>LSE</b>             | Minimum setpoint value.                                                                                                                                                                                                                                                                                                | -67.0... <b>HSE</b> | °C/°F |        | -55.0   | -55.0 | -55.0 | -55.0 |
| <b>HSE</b>             | Maximum setpoint value.                                                                                                                                                                                                                                                                                                | <b>LSE</b> ...302   | °C/°F |        | 140.0   | 140.0 | 140.0 | 140.0 |
| <b>HC</b>              | The regulator implements either cold operation (set " <b>C</b> (0)") or for hot (set " <b>H</b> (1)").                                                                                                                                                                                                                 | C/H                 | flag  |        | 0       | 0     | 0     | 0     |
| <b>ont</b>             | Regulator power-on time for a inoperable probe: <ul style="list-style-type: none"> <li>if <b>Ont</b> = 1 and <b>OFt</b> = 0 compressor is always on</li> <li>if <b>Ont</b> = 1 and <b>OFt</b> &gt; 0 compressor in duty cycle mode</li> </ul>                                                                          | 0...250             | min   |        | 15      | 15    | 15    | 15    |
| <b>oFt</b>             | Regulator power-off time for a inoperable probe: <ul style="list-style-type: none"> <li>if <b>OFt</b> = 1 and <b>Ont</b> = 0 compressor is always off</li> <li>if <b>OFt</b> = 1 and <b>Ont</b> &gt; 0 compressor in duty cycle mode</li> </ul>                                                                        | 0...250             | min   |        | 15      | 15    | 15    | 15    |
| <b>don</b>             | Compressor relay activation delay time after request                                                                                                                                                                                                                                                                   | 0...250             | s     |        | 0       | 0     | 0     | 0     |
| <b>doF</b>             | Delay time after power-off: the delay time indicated must elapse between deactivation of the compressor relay and the next power-on.                                                                                                                                                                                   | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>dbi</b>             | Delay time between power-ons; the delay time indicated must elapse between two consecutive compressor power-ons.                                                                                                                                                                                                       | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>Cit</b>             | Minimum compressor activation time before it can be deactivated. If <b>Cit</b> = 0 it is not active.                                                                                                                                                                                                                   | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>CAt</b>             | Maximum compressor activation time before it can be deactivated. If <b>CAt</b> = 0 it is not active.                                                                                                                                                                                                                   | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>odo (!)</b>         | Delay in activating outputs after the controller is powered on or after a power failure. <b>0</b> = not active.                                                                                                                                                                                                        | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>dcS</b>             | "Deep Cooling Cycle" setpoint                                                                                                                                                                                                                                                                                          | -67.0...302         | °C/°F |        | 0.0     | 0.0   | 0.0   | 0.0   |
| <b>tdC</b>             | "Deep Cooling Cycle" duration                                                                                                                                                                                                                                                                                          | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>dcc</b>             | Defrost activation delay after a "Deep Cooling Cycle"                                                                                                                                                                                                                                                                  | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>dEF (Defrost)</b>   |                                                                                                                                                                                                                                                                                                                        |                     |       |        |         |       |       |       |
| <b>dty</b>             | Type of defrost. <ul style="list-style-type: none"> <li><b>0</b> = electric defrost or due to stoppage - compressor OFF during defrost</li> <li><b>1</b> = cycle inversion (hot gas) defrost; compressor on during defrost</li> <li><b>2</b> = defrost with "Free" mode; defrost independent of compressor.</li> </ul> | 0/1/2               | num   |        | 0       | 0     | 0     | 0     |
| <b>doH</b>             | Defrost cycle activation delay from the call                                                                                                                                                                                                                                                                           | 0...250             | min   |        | 0       | 0     | 0     | 0     |
| <b>dEt</b>             | Defrost timeout. Determines the maximum duration of the defrost                                                                                                                                                                                                                                                        | 1...250             | min   |        | 30      | 30    | 30    | 30    |
| <b>dS1</b>             | Evaporator 1 defrost end temperature (measured by probe Pb2)                                                                                                                                                                                                                                                           | -67.0...302         | °C/°F |        | 8.0     | 8.0   | 8.0   | 0.0   |
| <b>dPo</b>             | Defrost activation request at power-on, if the temperature measured by Pb2 allows. <ul style="list-style-type: none"> <li><b>n</b>(0) = no</li> <li><b>y</b>(1) = yes.</li> </ul>                                                                                                                                      | n/y                 | flag  |        | n       | n     | n     | n     |
| <b>tCd</b>             | Minimum period of time with the compressor ON or OFF before defrost is activated.                                                                                                                                                                                                                                      | -127...127          | min   |        | 0       | 0     | 0     | 0     |

| Parameter         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Range       | MU    | Custom | Default | AP1 | AP2 | AP3 |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|--------|---------|-----|-----|-----|
| <b>Cod</b>        | Time with the compressor OFF before defrost is activated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0...250     | min   |        | 0       | 0   | 0   | 0   |
| <b>dMr</b>        | Enables the defrost count reset in the case of manual defrosting.<br><ul style="list-style-type: none"> <li><b>n</b> = count reset does not take place</li> <li><b>y</b> = count reset takes place</li> </ul>                                                                                                                                                                                                                                                                                                                                                        | n/y         | flag  |        | n       | n   | n   | n   |
| <b>d00</b>        | Compressor running time before defrost is activated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0...250     | hours |        | 0       | 0   | 0   | 0   |
| <b>d01</b>        | <b>d00</b> unit of measure.<br><ul style="list-style-type: none"> <li><b>0</b> = hours</li> <li><b>1</b> = minutes</li> <li><b>2</b> = seconds.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           | 0/1/2       | num   |        | 0       | 0   | 0   | 0   |
| <b>dit</b>        | Time interval between one defrost and the next                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0...250     | hours |        | 6       | 6   | 6   | 6   |
| <b>d11</b>        | <b>dit</b> unit of measure.<br><ul style="list-style-type: none"> <li><b>0</b> = hours</li> <li><b>1</b> = minutes</li> <li><b>2</b> = seconds.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           | 0/1/2       | num   |        | 0       | 0   | 0   | 0   |
| <b>d20</b>        | Can be used to activate the defrost when the compressor is off.<br><ul style="list-style-type: none"> <li><b>0</b> = disabled. Defrost is not activated.</li> <li><b>1</b> = enabled. Defrost is activated when the compressor is off.</li> </ul>                                                                                                                                                                                                                                                                                                                    | 0/1         | flag  |        | 0       | 0   | 0   | 0   |
| <b>d40</b>        | Enables/disables use of probe Pb2.<br><ul style="list-style-type: none"> <li><b>0</b> = disabled. Defrost does not take Pb2 into account</li> <li><b>1</b> = enabled. Defrost runs according to the value read by Pb2 (only refers to defrost with threshold)</li> </ul>                                                                                                                                                                                                                                                                                             | 0/1         | flag  |        | 0       | 0   | 0   | 0   |
| <b>d41</b>        | Sets the defrost activation threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -67.0...302 | °C/°F |        | 0.0     | 0.0 | 0.0 | 0.0 |
| <b>d42</b>        | Sets the maximum time for which the evaporator can remain under the threshold <b>d41</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0...250     | min   |        | 0       | 0   | 0   | 0   |
| <b>d43</b>        | Sets the type of time count in which the evaporator temperature remains under the threshold value.<br><ul style="list-style-type: none"> <li><b>0</b> = count independent of the compressor status</li> <li><b>1</b> = count with compressor on (when the compressor is off the count begins again)</li> <li><b>2</b> = count independent of the compressor status. The count stops when the temperature rises above the threshold <b>d41</b></li> <li><b>3</b> = count with compressor on and until the temperature rises above the threshold <b>d41</b></li> </ul> | 0...3       | num   |        | 0       | 0   | 0   | 0   |
| <b>d44</b>        | Sets the threshold management mode.<br><ul style="list-style-type: none"> <li><b>0</b> = absolute value (for example: <b>d41</b> = -25°C means that the threshold temperature is exactly -25°C)</li> <li><b>1</b> = relative value (negative offset, relative to the value measured by the defrost probe Pb2 (if <b>d40</b> = 1) at the end of the first cooling cycle or on power-on)</li> </ul>                                                                                                                                                                    | 0/1         | flag  |        | 0       | 0   | 0   | 0   |
| <b>Fan (Fans)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |       |        |         |     |     |     |
| <b>FPt</b>        | Sets whether parameter <b>FSt</b> is expressed as an absolute temperature value or as a value relative to the Setpoint.<br><ul style="list-style-type: none"> <li><b>0</b> = absolute</li> <li><b>1</b> = relative.</li> </ul>                                                                                                                                                                                                                                                                                                                                       | 0/1         | flag  |        | 0       | 0   | 0   | 0   |
| <b>FSt</b>        | Fan disabling temperature; a value, read by the evaporator probe.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -67.0...320 | °C/°F |        | 8.0     | 8.0 | 8.0 | 8.0 |
| <b>FAd</b>        | Evaporator fan trigger differential.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.1...25.0  | °C/°F |        | 2.0     | 2.0 | 2.0 | 2.0 |
| <b>Fdt</b>        | Fan activation delay time after a defrost.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0...250     | min   |        | 0       | 0   | 0   | 0   |
| <b>dt</b>         | Dripping time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0...250     | min   |        | 0       | 0   | 0   | 0   |

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Range               | MU     | Custom | Default | AP1   | AP2   | AP3   |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------|--------|---------|-------|-------|-------|----|----|----|----|----|---|---|---|-----|---|-----|---|---|---|---|---|---|---|-----|---|-----|---|---|-----|---|-----|----|---|---|----|-----|----|-----|---|----|----|----|----|---|----|-----|----|-----|---|----|-----|----|-----|----|---|---|----|-----|----|-----|---|----|----|----|----|---|----|-----|----|-----|---|----|-----|----|-----|-------|-----|--|---|---|---|---|
| <b>dFd</b>         | Used to select or deselect the exclusion of the evaporator fans during defrosting.<br><ul style="list-style-type: none"> <li><b>n(0)</b> = no</li> <li><b>y(1)</b> = yes (fan excluded - off).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n/y                 | flag   |        | y       | y     | y     | y     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>FCo</b>         | Evaporator fan operating mode.<br><table border="1" style="margin-left: 20px;"> <thead> <tr> <th rowspan="2">Pb2</th> <th rowspan="2">H42</th> <th rowspan="2">FCo</th> <th colspan="2">day</th> <th colspan="2">night</th> </tr> <tr> <th>Cn</th> <th>Cf</th> <th>Cn</th> <th>Cf</th> </tr> </thead> <tbody> <tr> <td rowspan="4">ok</td> <td rowspan="4">y</td> <td>0</td> <td>T</td> <td>Off</td> <td>T</td> <td>Off</td> </tr> <tr> <td>1</td> <td>T</td> <td>T</td> <td>T</td> <td>T</td> </tr> <tr> <td>2</td> <td>T</td> <td>DCd</td> <td>T</td> <td>DCn</td> </tr> <tr> <td>3</td> <td>T</td> <td>DCd</td> <td>T</td> <td>DCn</td> </tr> <tr> <td rowspan="4">ko</td> <td rowspan="4">y</td> <td>0</td> <td>On</td> <td>Off</td> <td>On</td> <td>Off</td> </tr> <tr> <td>1</td> <td>On</td> <td>On</td> <td>On</td> <td>On</td> </tr> <tr> <td>2</td> <td>On</td> <td>DCd</td> <td>On</td> <td>DCd</td> </tr> <tr> <td>3</td> <td>On</td> <td>DCd</td> <td>On</td> <td>DCd</td> </tr> <tr> <td rowspan="4">no</td> <td rowspan="4">n</td> <td>0</td> <td>On</td> <td>Off</td> <td>On</td> <td>Off</td> </tr> <tr> <td>1</td> <td>On</td> <td>On</td> <td>On</td> <td>On</td> </tr> <tr> <td>2</td> <td>On</td> <td>DCd</td> <td>On</td> <td>DCd</td> </tr> <tr> <td>3</td> <td>On</td> <td>DCd</td> <td>On</td> <td>DCd</td> </tr> </tbody> </table> <p><b>Headings legend:</b><br/> <b>Pb2</b> = probe Pb2 status (<b>ok</b> = present; <b>ko</b> = in E2 error and <b>no</b> = absent; <b>day</b> = day mode; <b>night</b> = night mode; <b>Cn</b> = compressor on; <b>Cf</b> = compressor off.<br/> <b>Status legend:</b><br/> <b>T</b> = thermostat controlled fans; <b>On</b> = fans on; <b>Off</b>= fans off; <b>DCd</b> = Day duty cycle or <b>DCn</b> = Night duty cycle.</p> | Pb2                 | H42    | FCo    | day     |       | night |       | Cn | Cf | Cn | Cf | ok | y | 0 | T | Off | T | Off | 1 | T | T | T | T | 2 | T | DCd | T | DCn | 3 | T | DCd | T | DCn | ko | y | 0 | On | Off | On | Off | 1 | On | On | On | On | 2 | On | DCd | On | DCd | 3 | On | DCd | On | DCd | no | n | 0 | On | Off | On | Off | 1 | On | On | On | On | 2 | On | DCd | On | DCd | 3 | On | DCd | On | DCd | 0...3 | num |  | 1 | 1 | 1 | 1 |
| Pb2                | H42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |        |        | FCo     | day   |       | night |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cn                  | Cf     | Cn     |         | Cf    |       |       |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
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| <b>Fon</b>         | Day duty cycle: time with fans on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0...250             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>FoF</b>         | Day duty cycle: time with fans off.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0...250             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>Fnn</b>         | Night duty cycle: time with fans on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0...250             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>FnF</b>         | Night duty cycle: time with fans off.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0...250             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>ESF</b>         | "Night" mode activation.<br><ul style="list-style-type: none"> <li><b>n(0)</b> = no</li> <li><b>y(1)</b> = yes.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | n/y                 | flag   |        | n       | n     | n     | n     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>AL (Alarms)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |        |        |         |       |       |       |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>Att</b>         | Sets the absolute or relative value for parameters <b>HAL</b> and <b>LAL</b> .<br><ul style="list-style-type: none"> <li><b>0</b> = absolute value</li> <li><b>1</b> = relative value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0/1                 | flag   |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>AFd</b>         | Alarm differential.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0,1...25,0          | °C/°F  |        | 2.0     | 2.0   | 2.0   | 2.0   |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>HAL</b>         | Maximum temperature alarm.<br>Temperature value (in an absolute or relative value - see <b>Att</b> ) which, when exceeded, will lead to the activation of alarm signaling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>LAL</b> ...302   | °C/°F  |        | 150.0   | 150.0 | 150.0 | 150.0 |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>LAL</b>         | Minimum temperature alarm.<br>Temperature value (in an absolute or relative value - see <b>Att</b> ) which, when not reached, will lead to the activation of alarm signaling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -67,0... <b>HAL</b> | °C/°F  |        | -50.0   | -50.0 | -50.0 | -50.0 |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>PAo</b>         | Alarm exclusion time when switching on the controller, after a power failure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0...10              | min*10 |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>dAo</b>         | Temperature alarm exclusion time after defrosting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0...999             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>oAo</b>         | Alarm signaling delay after deactivation of the digital input (door closure). Alarm refers to high and low temperature alarms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0...10              | hours  |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>tdo</b>         | Door open alarm activation delay time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0...250             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |
| <b>tAo</b>         | Temperature alarm signaling delay time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0...250             | min    |        | 0       | 0     | 0     | 0     |    |    |    |    |    |   |   |   |     |   |     |   |   |   |   |   |   |   |     |   |     |   |   |     |   |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |    |   |   |    |     |    |     |   |    |    |    |    |   |    |     |    |     |   |    |     |    |     |       |     |  |   |   |   |   |

| Parameter                              | Description                                                                                                                                                                                                                                                                                                                                                                     | Range        | MU    | Custom | Default                    | AP1 | AP2 | AP3 |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------|----------------------------|-----|-----|-----|
| <b>dAt</b>                             | Defrost ended due to timeout alarm indication.<br><ul style="list-style-type: none"> <li><b>n(0)</b> = alarm not activated</li> <li><b>y(1)</b> = alarm activated.</li> </ul>                                                                                                                                                                                                   | n/y          | flag  |        | 0                          | 0   | 0   | 0   |
| <b>EAL</b>                             | An external alarm inhibits the regulators.<br><ul style="list-style-type: none"> <li><b>0</b> = does not inhibit the regulators</li> <li><b>1</b> = compressor and defrost inhibited</li> <li><b>2</b> = fans, compressor and defrost inhibited;</li> </ul>                                                                                                                     | 0/1/2        | flag  |        | n                          | n   | n   | n   |
| <b>rFt</b>                             | Low refrigerant alarm signaling delay.                                                                                                                                                                                                                                                                                                                                          | 0...250      | min   |        | 0 (non nelle applicazioni) |     |     |     |
| <b>Lit (Lights and digital inputs)</b> |                                                                                                                                                                                                                                                                                                                                                                                 |              |       |        |                            |     |     |     |
| <b>dOd</b>                             | Digital input shuts off utilities.<br><ul style="list-style-type: none"> <li><b>0</b> = disabled</li> <li><b>1</b> = disables fans</li> <li><b>2</b> = disables compressor</li> <li><b>3</b> = disables fans and compressor.</li> </ul>                                                                                                                                         | 0...3        | num   |        | 0                          | 0   | 0   | 0   |
| <b>dAd</b>                             | Digital input activation delay                                                                                                                                                                                                                                                                                                                                                  | 0...250      | min   |        | 0                          | 0   | 0   | 0   |
| <b>dCo</b>                             | Compressor switch-off delay from door opening.                                                                                                                                                                                                                                                                                                                                  | 0...250      | min   |        | 1                          | 1   | 1   | 1   |
| <b>PrE (Pressure switch)</b>           |                                                                                                                                                                                                                                                                                                                                                                                 |              |       |        |                            |     |     |     |
| <b>PEn</b>                             | Number of errors permitted per minimum/maximum pressure switch input                                                                                                                                                                                                                                                                                                            | 0...15       | num   |        | 0                          | 0   | 0   | 0   |
| <b>PEi</b>                             | Minimum/maximum pressure switch error count interval                                                                                                                                                                                                                                                                                                                            | 1...99       | min   |        | 1                          | 1   | 1   | 1   |
| <b>PEt</b>                             | Compressor activation delay after pressure switch deactivation                                                                                                                                                                                                                                                                                                                  | 0...255      | min   |        | 0                          | 0   | 0   | 0   |
| <b>EnS (Energy Saving)</b>             |                                                                                                                                                                                                                                                                                                                                                                                 |              |       |        |                            |     |     |     |
| <b>oSP</b>                             | Temperature value to be added to the setpoint in the case of an enabled reduced set (Economy function).                                                                                                                                                                                                                                                                         | -30.0...30.0 | °C/°F |        | 0.0                        | 0.0 | 0.0 | 0.0 |
| <b>odF</b>                             | Differential offset during an energy saving cycle or reduced set.                                                                                                                                                                                                                                                                                                               | 0.1...30.0   | °C/°F |        | 2.0                        | 2.0 | 2.0 | 2.0 |
| <b>Add (Communication)</b>             |                                                                                                                                                                                                                                                                                                                                                                                 |              |       |        |                            |     |     |     |
| <b>Adr</b>                             | Modbus protocol controller address.                                                                                                                                                                                                                                                                                                                                             | 1...247      | num   |        | 1 (not in applications)    |     |     |     |
| <b>bAU</b>                             | Modbus Baudrate selection.<br><ul style="list-style-type: none"> <li><b>96 (0)</b> = 9600 baud</li> <li><b>192 (1)</b> = 19200 baud</li> <li><b>384 (2)</b> = 38400 baud</li> </ul>                                                                                                                                                                                             | 96/192/384   | num   |        | 96 (not in applications)   |     |     |     |
| <b>Pty</b>                             | Modbus parity bit.<br><ul style="list-style-type: none"> <li><b>n(0)</b> = none</li> <li><b>E(1)</b> = even</li> <li><b>o(2)</b> = odd.</li> </ul>                                                                                                                                                                                                                              | n/E/o        | num   |        | E (not in applications)    |     |     |     |
| <b>diS (Display)</b>                   |                                                                                                                                                                                                                                                                                                                                                                                 |              |       |        |                            |     |     |     |
| <b>dro</b>                             | Selects the unit of measure used when displaying the temperature read by the probes. ( <b>0</b> = °C, <b>1</b> = °F).<br><b>Note:</b> changing from °C to °F or vice-versa does NOT change the <b>SEt</b> , <b>diF</b> values, etc. (example: <b>SEt</b> = 10°C becomes 10°F).                                                                                                  | 0/1          | flag  |        | 0                          | 0   | 0   | 0   |
| <b>CA1 (!)</b>                         | Positive or negative temperature value to be added to the value of Pb1.                                                                                                                                                                                                                                                                                                         | -30.0...30.0 | °C/°F |        | 0.0                        | 0.0 | 0.0 | 0.0 |
| <b>CA2 (!)</b>                         | Positive or negative temperature value to be added to the value of Pb2.                                                                                                                                                                                                                                                                                                         | -30.0...30.0 | °C/°F |        | 0.0                        | 0.0 | 0.0 | 0.0 |
| <b>CAi</b>                             | Activation of the calibration value.<br><ul style="list-style-type: none"> <li><b>0</b> = Adds the value to the temperature value displayed</li> <li><b>1</b> = Adds the value to the temperature used by the regulators and not to the one displayed</li> <li><b>2</b> = Adds the value to the temperature used by the regulators and to the temperature displayed.</li> </ul> | 0/1/2        | num   |        | 2                          | 2   | 2   | 2   |
| <b>LoC</b>                             | Keypad lock.<br><ul style="list-style-type: none"> <li><b>n(0)</b> = Keypad lock disabled</li> <li><b>y(1)</b> = Keypad lock enabled (on startup or when 30 seconds have passed since the last action carried out on the user interface)</li> </ul>                                                                                                                             | n/y          | flag  |        | y                          | y   | y   | y   |

| Parameter                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Range       | MU    | Custom | Default | AP1 | AP2 | AP3 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|--------|---------|-----|-----|-----|
| <b>ddd</b>                 | Selects the type of value to show on the display.<br><ul style="list-style-type: none"> <li>0 = setpoint</li> <li>1 = Pb1 probe</li> <li>2 = Pb2 probe</li> <li>3 = Pb3 probe.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0...3       | num   |        | 1       | 1   | 1   | 1   |
| <b>ddL</b>                 | Display mode during defrosting.<br><ul style="list-style-type: none"> <li>0 = display the temperature read by Pb1</li> <li>1 = inhibits reading on the value of Pb1 at the start of defrost and until the setpoint is reached</li> <li>2 = displays label <b>dEF</b> during defrost until the setpoint is reached.</li> </ul>                                                                                                                                                                                                                                                                                                       | 0/1/2       | num   |        | 0       | 0   | 0   | 0   |
| <b>Ldd</b>                 | Display unlock timeout value - label <b>dEF</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0...250     | min   |        | 30      | 30  | 30  | 30  |
| <b>ndt</b>                 | Display with decimal point.<br><ul style="list-style-type: none"> <li>n(0) = no</li> <li>y(1) = yes.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n/y         | flag  |        | y       | y   | y   | y   |
| <b>FSE</b>                 | Sets the value (COEFF) used by the low-pass filter to calculate the temperature value to be displayed.<br><ul style="list-style-type: none"> <li>0 = disabled</li> <li>1 = 200</li> <li>2 = 100</li> <li>3 = 50</li> <li>4 = 25</li> <li>5 = 12</li> <li>6 = 6</li> <li>7 = 3.</li> </ul>                                                                                                                                                                                                                                                                                                                                           | 0...7       | num   |        | 0       | 0   | 0   | 0   |
| <b>FdS</b>                 | Filter disabling threshold.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -67.0...302 | °C/°F |        | 0.0     | 0.0 | 0.0 | 0.0 |
| <b>Ftt</b>                 | Time that has passed beyond the value of <b>FdS</b> before the filter is disabled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0...250     | min   |        | 0       | 0   | 0   | 0   |
| <b>FHt</b>                 | Filter sampling interval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1...250     | s     |        | 1       | 1   | 1   | 1   |
| <b>PS1</b>                 | When enabled ( <b>PS1</b> ≠0) this is the access key for the user parameters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0...250     | num   |        | 0       | 0   | 0   | 0   |
| <b>PS2</b>                 | When enabled ( <b>PS2</b> ≠0) this is the access key for the installer parameters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0...250     | num   |        | 15      | 15  | 15  | 15  |
| <b>CnF (Configuration)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |       |        |         |     |     |     |
| <b>H00</b>                 | Selects the probe type.<br><ul style="list-style-type: none"> <li>0 = PTC</li> <li>1 = NTC</li> <li>2 = Pt1000.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0/1/2       | flag  |        | 1       | 1   | 1   | 1   |
| <b>H08</b>                 | Stand-by operating mode.<br><ul style="list-style-type: none"> <li>0 = display off; the regulators are active and the device signals possible alarms by reactivating the display</li> <li>1 = display off; the regulators and the alarms are blocked</li> <li>2 = the display shows the label "OFF"; the regulators and alarms are inhibited.</li> </ul>                                                                                                                                                                                                                                                                            | 0/1/2       | num   |        | 2       | 2   | 2   | 2   |
| <b>H11</b>                 | Configurazione ingresso digitale 1 ( <b>DI</b> )/ polarità.<br><ul style="list-style-type: none"> <li>0 = disabilitato</li> <li>±1 = sbrinamento</li> <li>±2 = set ridotto</li> <li>±3 = ausiliario</li> <li>±4 = micro-porta</li> <li>±5 = allarme esterno</li> <li>±6 = stand-by</li> <li>±7 = pressostato</li> <li>±8 = abbattimento rapido</li> <li>±9 = luce</li> <li>±10 = risparmio energetico</li> </ul> <p><b>Nota:</b></p> <ul style="list-style-type: none"> <li>segno "+" indica che l'ingresso è attivo se il contatto è chiuso.</li> <li>segno "-" indica che l'ingresso è attivo se il contatto è aperto.</li> </ul> | -10...+10   | num   |        | 0       | 0   | 0   | 0   |



| Parameter              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | Range  | MU   | Custom | Default                 | AP1 | AP2 | AP3 |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|--------|-------------------------|-----|-----|-----|
| H21                    | Configuration of digital output 1 ( <b>Out1</b> ).<br><ul style="list-style-type: none"> <li>0 = disabled</li> <li>1 = compressor</li> <li>2 = defrost</li> <li>3 = evaporator fans</li> <li>4 = alarm</li> <li>5 = auxiliary</li> <li>6 = stand-by</li> <li>7 = light</li> <li>8 = buzzer</li> <li>9 = compressor 2</li> <li>10 = reserved</li> <li>11 = condenser fans</li> <li>12 = heater deadband control</li> <li>13 = reserved</li> </ul> | 0...13 | num  |        | 1                       | 1   | 1   | 1   |
| H22                    | Configuration of digital output 2 ( <b>Out2</b> ).<br><ul style="list-style-type: none"> <li>0 = disabled</li> <li>1 = compressor</li> <li>2 = defrost</li> <li>3 = evaporator fans</li> <li>4 = alarm</li> <li>5 = auxiliary</li> <li>6 = stand-by</li> <li>7 = light</li> <li>8 = buzzer</li> <li>9 = compressor 2</li> <li>10 = reserved</li> <li>11 = condenser fans</li> <li>12 = heater deadband control.</li> </ul>                       | 0...12 | num  |        | 2                       | 2   | 2   | 2   |
| H25                    | Enables/disables the buzzer.<br><ul style="list-style-type: none"> <li>0 = disabled</li> <li>1 = enabled.</li> </ul>                                                                                                                                                                                                                                                                                                                             | 0/1    | flag |        | 1                       | 1   | 1   | 1   |
| H31                    | Configuration of $\Delta$ key.<br><ul style="list-style-type: none"> <li>0 = disabled</li> <li>1 = defrost</li> <li>2 = auxiliary</li> <li>3 = reduced set</li> <li>4 = stand-by</li> <li>5 = reserved</li> <li>6 = reserved</li> <li>7 = deep cooling</li> <li>8 = light.</li> </ul>                                                                                                                                                            | 0...8  | num  |        | 1                       | 1   | 1   | 1   |
| H32                    | Configuration of $\nabla$ key. Same as H31.                                                                                                                                                                                                                                                                                                                                                                                                      | 0...8  | num  |        | 0                       | 0   | 0   | 0   |
| H33                    | Configuration of $\ominus$ key. Same as H31.                                                                                                                                                                                                                                                                                                                                                                                                     | 0...8  | num  |        | 4                       | 4   | 4   | 4   |
| H34                    | Configuration of $\otimes$ key. Same as H31.                                                                                                                                                                                                                                                                                                                                                                                                     | 0...8  | num  |        | 0                       | 0   | 0   | 0   |
| H35                    | Configuration of $\star$ key. Same as H31.                                                                                                                                                                                                                                                                                                                                                                                                       | 0...8  | num  |        | 0                       | 0   | 0   | 0   |
| H42                    | Probe Pb2 present.<br><ul style="list-style-type: none"> <li>n(0) = not present</li> <li>y(1) = present.</li> </ul>                                                                                                                                                                                                                                                                                                                              | n/y    | flag |        | y                       | y   | y   | y   |
| H60                    | Display selected application.<br><b>0</b> = disabled; <b>1</b> = AP1; <b>2</b> = AP2; <b>3</b> = AP3.                                                                                                                                                                                                                                                                                                                                            | 0...3  | num  |        | 1 (not in applications) |     |     |     |
| tAb                    | Reserved: read-only parameter.                                                                                                                                                                                                                                                                                                                                                                                                                   | /      | /    |        | / (not in applications) |     |     |     |
| <b>FPr (UNICARD)</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |      |        |                         |     |     |     |
| UL                     | Transfer of the programming parameters from the controller to the UNICARD.                                                                                                                                                                                                                                                                                                                                                                       | /      | /    |        | - (not in applications) |     |     |     |
| Fr                     | UNICARD formatting. Deletes all data on the UNICARD.<br><b>Note:</b> the use of parameter <b>Fr</b> results in the loss of all data entered. This operation cannot be reversed.                                                                                                                                                                                                                                                                  | /      | /    |        | - (not in applications) |     |     |     |
| <b>FnC (Functions)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |      |        |                         |     |     |     |
| tAL                    | Force alarm acknowledgment                                                                                                                                                                                                                                                                                                                                                                                                                       | /      | /    |        | - (not in applications) |     |     |     |
| rAP                    | Reset pressure switch alarms                                                                                                                                                                                                                                                                                                                                                                                                                     | /      | /    |        | - (not in applications) |     |     |     |
| Cnt                    | Reset TelevisAir diagnostic counters (see Reset TelevisAir diagnostic counters)                                                                                                                                                                                                                                                                                                                                                                  | /      | /    |        | - (not in applications) |     |     |     |

**Note:** if one or more parameters in folder **CnF** or marked with (!) are changed, the controller must be switched off and then on again to make sure it works properly.