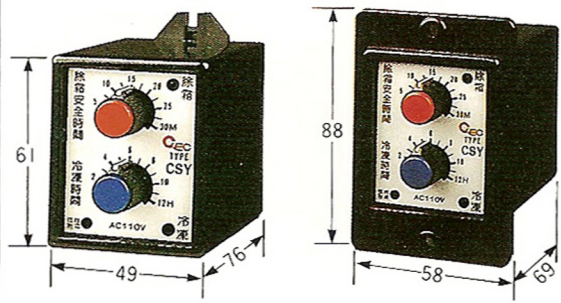
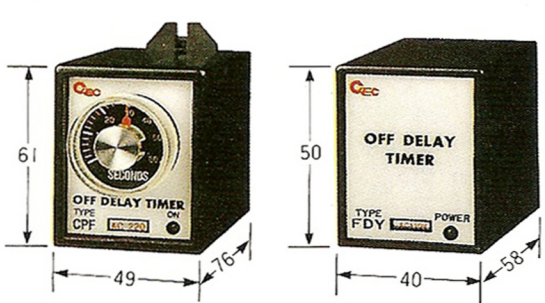
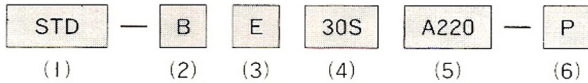


DEFROST TIMER 冷凍除霜繼電器		Classification 類別	POWER OFF DELAY TIMER 斷電延時限時繼電器		
 <p>CSY-F□      CSY-B□</p>		Appearance (mm) and Type No. 外觀尺寸及型號	 <p>CPF-F□      FDY-FD</p>		
Front (Surface) 露出	Bury (Flush) 埋入	Mounting 安裝方式	Front (Surface) 露出		
8PFA	P3G08 OR US08 Pls Specify	Socket Type 使用底座	8PFA	085A	
30M × 12H (Defrost Safety Time × Cooling Time) (除霜安全時間 × 冷凍時間)		Full Time Range 時間範圍	SEC.: 1, 5, 10, 30, 60 MIN.: 5, 10		0.1S, 0.2S, 0.3S, 0.4S, 0.5S Pls specify
AC(V) 50/60Hz: 12, 24, 110, 120, 220, 240 DC(V): 12, 24		Rated Voltage 定格電壓 AC: 80% ~ 110% DC: 85% ~ 110%	AC(V) 50/60Hz: 110, 120, 220, 240		
Have 有		Output Contact and Type 輸出接點及型號	Delay 1c (Reset)	Delay 2c	Delay 2c
Have 有			CPF-FC	CPF-FD	FDY-FD
Terminate Defrosting From OFF → ON CSY-FA, CSY-BA		Life	≥ 20 × 10 <sup>6</sup> Times (No load, 1,800 operations per hour) 2,000萬次以上 (無負載, 動作頻率 1,800回/小時)		
Terminate Defrosting From ON → OFF (Standard) CSY-FB, CSY-BB			Mechanical 機械	≥ 100 × 10 <sup>3</sup> Times (AC250V, 5A, P.F. = 1; 1,800 operations per hour) 10萬次以上 (AC250V, 5A, P.F. = 1; 動作頻率 1,800回/小時)	
≥ 20 × 10 <sup>6</sup> Times (No load, 1,800 operations per hour) 2,000萬次以上 (無負載, 動作頻率 1,800回/小時)		壽命	≥ 100 × 10 <sup>3</sup> Times (AC250V, 5A, P.F. = 1; 1,800 operations per hour) 10萬次以上 (AC250V, 5A, P.F. = 1; 動作頻率 1,800回/小時)		
≥ 100 × 10 <sup>3</sup> Times (AC250V, 5A, P.F. = 1; 1,800 operations per hour) 10萬次以上 (AC250V, 5A, P.F. = 1; 動作頻率 1,800回/小時)			Electrical 電氣	≥ 100 × 10 <sup>3</sup> Times (AC250V, 5A, P.F. = 1; 1,800 operations per hour) 10萬次以上 (AC250V, 5A, P.F. = 1; 動作頻率 1,800回/小時)	
± 0.3% Max.		ACCURACY 精確度	Repeat 往復誤差	± 0.3%	
± 5% Max.			Setting 設定誤差	± 5%	
± 0.5% Max.			Voltage 電壓誤差	± 0.5%	
± 2% Max.			Temperature 溫度誤差	± 2%	
≤ 40ms		Minimum Charge Time 最小電源通電時間	CPF: ≤ 0.1S (About 2S For Time Range 10M) FDY: ≤ 0.1S		
≤ 100ms		Power Consumption 消費電力	About 2 W		
About 2W		Ambient Temp. 使用周圍溫度	- 10°C ~ + 55°C		
- 10°C ~ + 55°C		Ambient Humidity 使用周圍濕度	35% ~ 85% RH		
20% ~ 90% RH					

## HOW TO ORDER OUR PRODUCTS

### ■ POWER ON DELAY TIMER

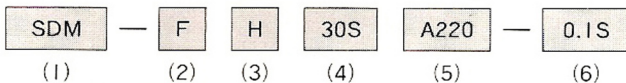
#### TYPE STD, CSA, CSB, CST, CSG, CSF



- (1) TYPE STD, CSA, CSB, CST, CSG, CSF
- (2) MOUNTING F: SURFACE B: FLUSH
- (3) OUTPUT CONTACT C: Delay 1c  
D: Delay 2c  
E: Delay 1c, Instant 1c
- (4) TIME RANGE 01S: 1 SEC.  
30S: 30 SEC.  
06M: 6 MIN.  
03H: 3 HR.
- (5) RATED VOLTAGE A024: AC 24V 50/60Hz  
A110: AC110V 50/60Hz  
A220: AC220V 50/60Hz  
D024: DC 24V
- (6) FLUSH MOUNTING SOCKET P: P3G08  
U: US08

### ■ STAR-DELTA TIMER

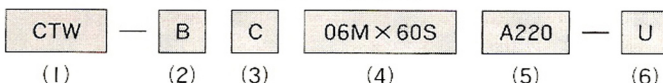
#### TYPE SDM, SDS



- (1) TYPE SDM, SDS
- (2) MOUNTING F: SURFACE
- (3) INSTANT CONTACT H (HAVE)
- (4) TIME RANGE 30S: 30 SEC.  
60S: 60 SEC.
- (5) RATED VOLTAGE A110: AC110V 50/60Hz  
A220: AC220V 50/60Hz
- (6) TRANSFER TIME 0.1S (STANDARD),  
0.1S~0.7S PLS SPECIFY

### ■ TWIN TIMER AND FLICKER TIMER

#### TYPE CTW, CSK, CKR, CKP



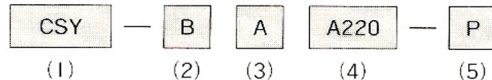
- (1) TYPE CTW, CSK, CKR, CKP
- (2) MOUNTING F: SURFACE B: FLUSH
- (3) OUTPUT CONTACT C: Delay 1c  
D: Delay 2c  
E: Delay 1c, Instant 1c
- (4) TIME RANGE CTW: 06S × 06S  
06M × 60S  
06S × 12H  
CSK, CKR, CKP: 03S

- (5) RATED VOLTAGE A024: AC 24V 50/60Hz  
A110: AC110V 50/60Hz  
A220: AC220V 50/60Hz  
D024: DC 24V

- (6) FLUSH MOUNTING SOCKET P: P3G08  
U: US08

### ■ DEFROST TIMER

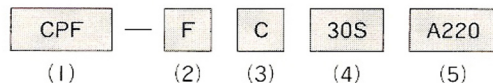
#### TYPE CAY, CKY, CSY



- (1) TYPE CAY, CKY, CSY
- (2) MOUNTING F: SURFACE B: FLUSH
- (3) DEFROST TERMINATION CONTACT (ONLY FOR CSY)  
A: A CONTACT  
B: B CONTACT (STANDARD)
- (4) RATED VOLTAGE A024: AC 24V 50/60Hz  
A110: AC110V 50/60Hz  
A220: AC220V 50/60Hz  
D024: DC 24V
- (5) FLUSH MOUNTING SOCKET P: P3G08  
U: US08

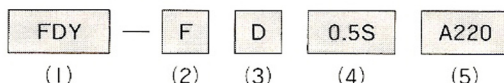
### ■ POWER OFF DELAY TIMER

#### TYPE CPF



- (1) TYPE CPF
- (2) MOUNTING F: SURFACE
- (3) OUTPUT CONTACT C: Delay 1c (RESET)  
D: Delay 2c
- (4) TIME RANGE 01S: 1 SEC.  
30S: 30 SEC.  
05M: 5 MIN.  
10M: 10 MIN.
- (5) RATED VOLTAGE A024: AC 24V 50/60Hz  
A110: AC 110V 50/60Hz  
A220: AC 220V 50/60Hz  
D024: DC 24V

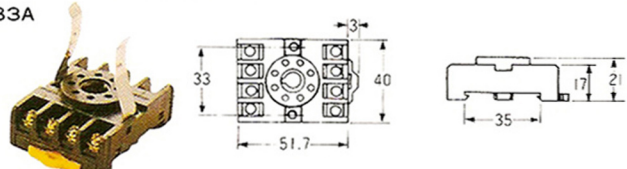
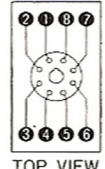
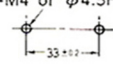
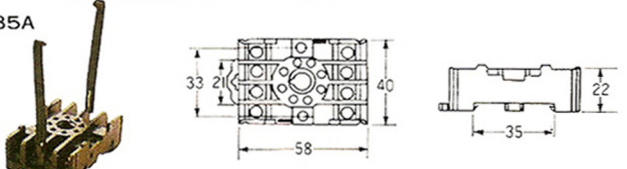
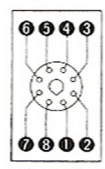
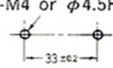
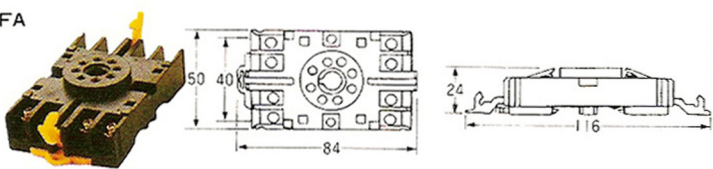
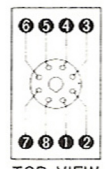
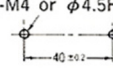
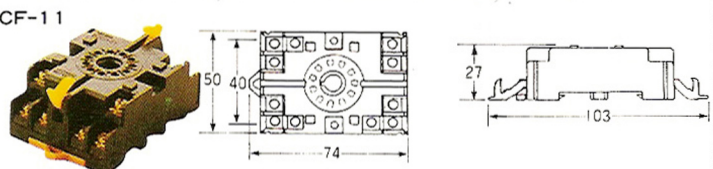
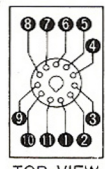
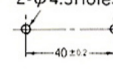
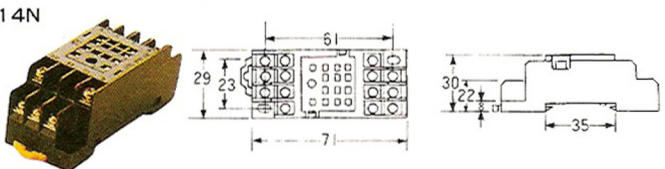
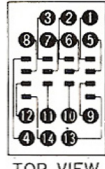

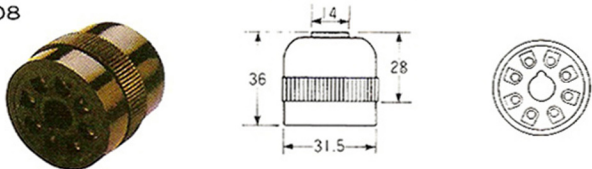

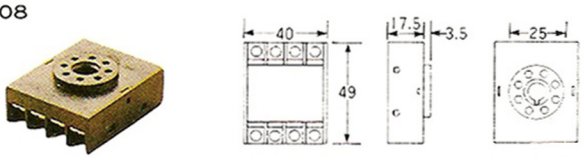
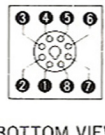
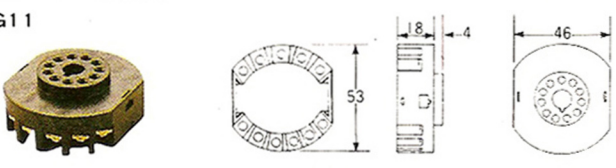

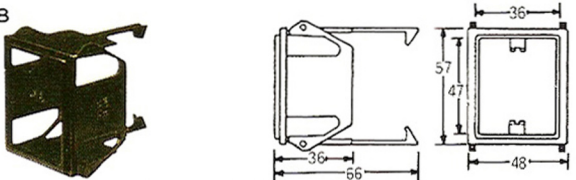
#### TYPE FDY

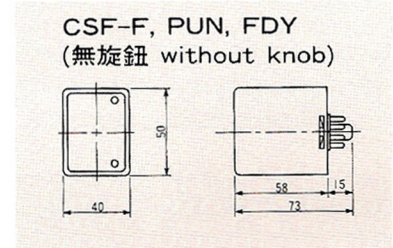
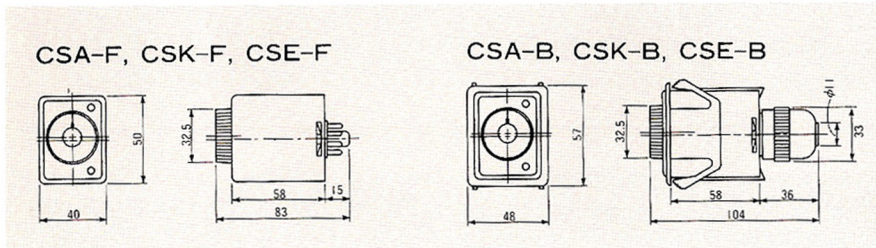
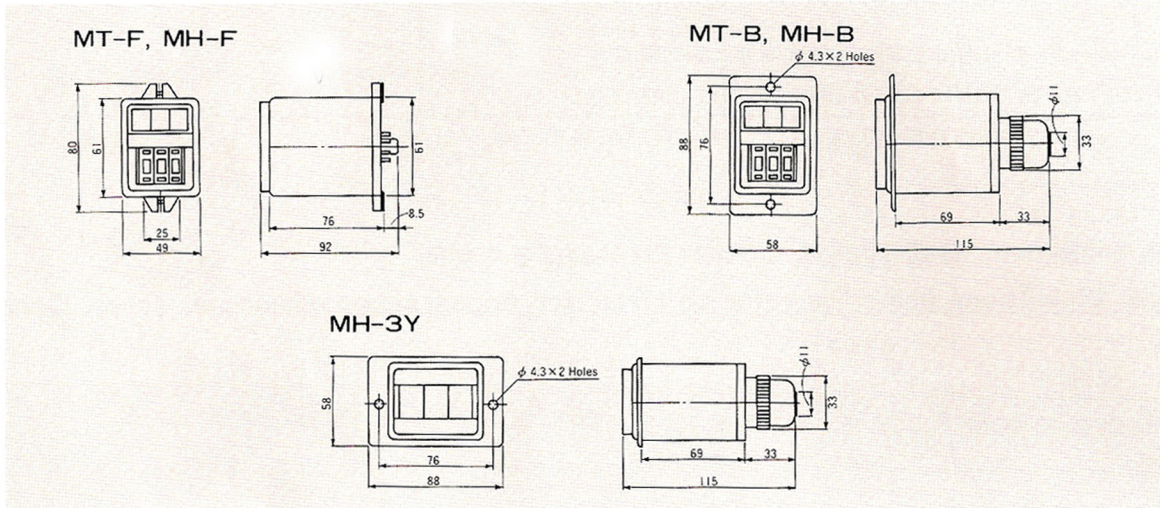
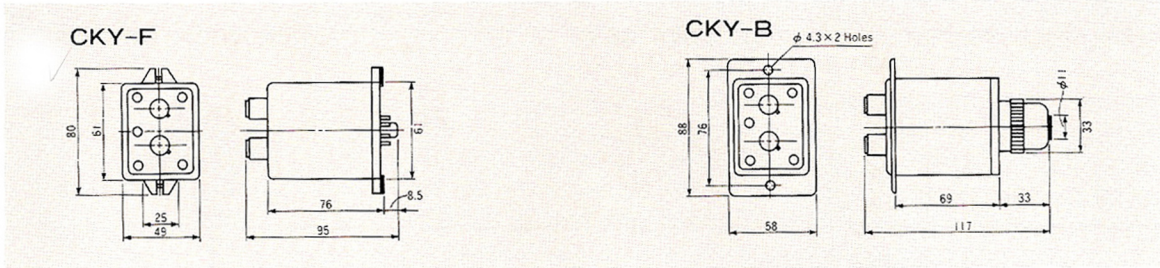


- (1) TYPE FDY
- (2) MOUNTING F: SURFACE
- (3) OUTPUT CONTACT D: Delay 2c
- (4) TIME RANGE 0.5S
- (5) RATED VOLTAGE A220: AC220V 50/60Hz

<p><b>CSK-F(B)C, CKR-FC</b></p>	<p><b>CKY-F(B)</b></p>
<p><b>CSK-F(B)D</b></p>	<p><b>CSY-F(B)A</b></p>
<p><b>CSK-F(B)E</b></p>	<p><b>CSY-F(B)B</b></p>
<p><b>CKP-FC</b></p>	<p><b>CPF-FC</b></p>
<p><b>CAY-F(B)</b></p>	<p><b>CPF-FD, FDY-FD</b></p>

■ 底座種類與安裝方式(SOCKETS AND INSTALLATION)

安裝方式 MOUNTING	型號·外觀·尺寸 TYPE·APPEARANCE(mm)	端子配置·內部接續 CONNECTION	安裝尺寸 INSTALLATION(mm)
露出(F) SURFACE	<b>PFO83A</b> 	 TOP VIEW	2-M4 or $\phi$ 4.5Holes  Note:or by Din Rail
露出(F) SURFACE	<b>PFO85A</b> 	 TOP VIEW	2-M4 or $\phi$ 4.5Holes  Note:or by Din Rail
露出(F) SURFACE	<b>8PFA</b> 	 TOP VIEW	2-M4 or $\phi$ 4.5Holes  Note:or by Din Rail
露出(F) SURFACE	<b>P2CF-11</b> 	 TOP VIEW	2- $\phi$ 4.5Holes  Note:or by Din Rail
露出(F) SURFACE	<b>PYF14N</b> 	 TOP VIEW	2-M4 or $\phi$ 4.5Holes  Note:or by Din Rail
埋入(B) FLUSH	<b>US08</b> 	 TOP VIEW	
埋入(B) FLUSH	<b>P3G08</b> 	 BOTTOM VIEW	
埋入(B) FLUSH	<b>P3G11</b> 	 BOTTOM VIEW	
埋入用框 ADAPTER FOR FLUSH MOUNTING	<b>B-68</b> 		





AUTOMATION TECHNIQUE

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