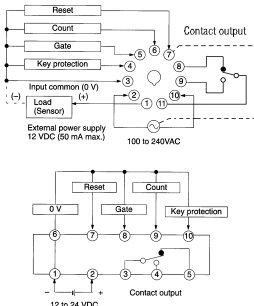


Multirange Electronic Timers — continued

Digital, IP66 Protection – H5CL LED Display



H = 48, W = 48, D = 86.7 (behind bezel, a.c. model) D = 64.5 (behind bezel, d.c. model) Panel cut-out = 45sq



- Water and dust protected to IP66/NEMA 4 for severe environments, ideal where panels have to be hosed down
- Large 12mm LED display
- Present value and preset values shown
- Simple setting-up with increment and decrement keys
- Wide time range
- Wide voltage range, ac and dc models
- UL and CSA approved

Operating modes	A = signal ON-delay, F = accumulative operation (selectable)
Time ranges	9.999s, 99.99s, 999.9s, 9999s, 99m 59s, 999.9m, 99hr59m, 999.9hr
Display modes	Up/Down (selectable)
Display	12mm high red digits for present value, 8mm high green digits for set value
Input signals	Start, gate, reset, key protection
External power supply	50mA @ 12V dc ( $\pm 10\%$ ) (ac model only)
Memory backup	EEPROM, 20 years min.
Control output	SPCO, 3A @ 250V ac
Connection	AC model: 11 pin socket DC model: Screw terminals
Sockets for a.c. model	424-754: Back connecting socket for flush mounting 425-382: DIN rail/surface front connecting socket
Flush mounting method	Adaptor supplied. Rubber packing supplied to give IP66/NEMA 4 protection
Mfrs. List No.	H5CL-A 100-240AC = 674-424, H5CL-AD-500 12-24DC = 674-436, P3GA-11 = 424-754, P2CF-11 = 425-382

Timers	Order Code	Price Each		
		1+	5+	10+
100-240V ac	<b>674-424</b>			
12-24V dc	<b>674-436</b>			
<b>Sockets for a.c. Timer</b>				
DIN rail screw socket	<b>425-382.</b>			
Panel mount screw socket	<b>424-754.</b>			

Digital Multifunction – LT4H



H = 48, W = 48, D = 64.5 (screw), 70.1 (11 pin)

Operating modes	A: Power ON-delay 1 B: Signal ON-delay D: Pulse ON-delay 1 F: Signal Flicker	A2: Power ON - delay 2 C: Signal OFF delay E: Pulse ON-delay 2 G: Totalising ON-delay
Time ranges	9.999s, 99.99s, 999.9s, 9999s, 99m59s, 999.9m, 99hr59m, 999.9hr	
Repeat accuracy	$\pm 0.005\%$ +50ms power start $\pm 0.005\%$ +20ms control signal start min pulse width 1ms/20ms selectable	
Reset and control signals	3A 250Vac (relay), 100mA, 30Vdc (transistor)	
Contacts	100 to 240Vac (ac type), 12 to 24Vdc (dc type)	
Operating voltage	-10°C to +55°C	

Voltage	Connection Type	Order Code	Price Each			
			1+	5+	10+	25+
<b>Relay Output</b>						
12V to 24Vdc	Screw	<b>184-986</b>				
12V to 24Vdc	11-pin	<b>184-998</b>				
100V to 240Vac	Screw	<b>185-000</b>				
100V to 240Vac	11-pin	<b>185-012</b>				
<b>Transistor Output</b>						
12V to 24Vdc	Screw	<b>185-024</b>				
12V to 24Vdc	11-pin	<b>185-036</b>				
100V to 240Vac	Screw	<b>185-048</b>				
100V to 240Vac	11-pin	<b>185-050</b>				
<b>Socket</b>						
DIN rail/surface	11-pin	<b>185-061.</b>				

Relay Timer Bases – CT



H = 35, W = 50, D = 24.5 (excl. pins)

- Plugs into a standard 8 or 11 pin relay base
- Provides timed outputs to the relay that is plugged into it
- 2PCO or 3PCO options and 3 operating modes available
- Both on delay and off-delay timers have fully programmable time range between 0.2sec and 12min
- Cyclic timer is set by potentiometer and has a time range of 0.2–3 seconds
- Units have legend plates for identification
- Sealed to IP50

Operating mode	On-delay (delay on energisation) Off-delay (delay on de-energisation) Cyclic (recycling on/off)
Adjustable time ranges	On/Off delay: Selectable 0.2–3s, 0.8–12s, 0.1–1.5m, 0.8–12m Cyclic: 0.2–3s
Repeat accuracy of set time	$\pm 0.5\%$ or $\pm 20ms$
Voltage range	On-delay and Cyclic: Low 20–65V ac, 20–75V dc. High 90–265V ac/dc. Off-delay: Low 90–150V ac/dc. High 150–265V ac/dc.
Contact arrangement	DPCO or 3PCO
Contact rating	10A @ 380V ac
Response time	On-delay and Cyclic: High 150ms. Low 90ms. Off-delay: Low 150ms. High 200ms.
Frequency	50/60Hz
Current consumption	3mA
Ambient temperature	-10°C to +60°C

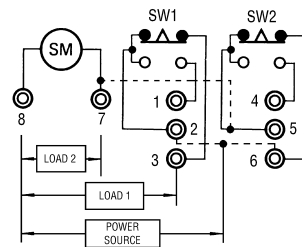
Contact Arrangement	Voltage	Order Code	Price Each		
			1+	10+	25+
<b>Delay on Energise</b>					
2PCO	20–65V ac, 20–75V dc	<b>.279-717</b>			
2PCO	90–265V ac/dc	<b>.279-729</b>			
3PCO	20–65V ac, 20–75V dc	<b>.279-730</b>			
3PCO	90–265V ac/dc	<b>.279-742</b>			
<b>Delay on De-energise</b>					
3PCO	90–150V ac/dc	<b>.279-754</b>			
3PCO	150–265V ac/dc	<b>.279-766</b>			
<b>Cyclic</b>					
2PCO	20–65V ac, 20–75V dc	<b>.279-778</b>			

Electromechanical Timers

Manual Reset – STMN2-C04;



H = 61.5, W = 55, D (behind panel) = 47, Panel cut-out = 64 56, Mounting flange = 84 63



- Synchronous motor driven timer
- Manual setting
- Manual operation to set time contact change over
- Motor is energised, timer runs down anticlockwise to time out condition
- Delay period can be adjusted during operation by rotating dial



Operating mode	Delay on energisation	Operating temperature	-10°C to +55°C
Adjustable time range	0 to 72m	Contact rating	5A @ 240V ac
Repeat accuracy	$\pm 2\%$ full scale	Contacts	DPCO, SW1 changes over 4° before SW2, allowing SW2 to disable the timer motor after SW1 has closed (see diagram)
Operating voltage	240V ac, 50Hz		
Operating voltage range	85 – 110%		
Power consumption	2VA		

Time Range	Order Code	Price Each			
		1+	5+	10+	25+ 50+
0 to 72m	<b>104-637</b>				
0 to 7hr	<b>104-680</b>				