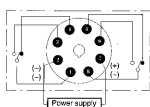


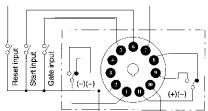
On-Delay, Multifunction, Off-Delay, Recycling - H3CR



313-7983, 313-7971, 313-7995, 313-7960, 313-7958, 313-8008
 H = 48, W = 48, D = 67 (behind bezel)
 Others:
 H = 48, W = 48, D = 78 (behind bezel)
 Panel cut-out:
 Using 104-636 adaptor = 45sq
 Using 177-529 adaptor = 66 x 52
 (mounting flange = 88 x 58)



On-delay, off delay, Recycling
 Note:- For 313-7995 and 313-8008 contacts 1, 3, 4 are instantaneous



Multifunction

- Delay-on-energise and multifunction timers (H3CR range) are multi-voltage and have an extended time range up to 300 hours. They feature green power indicator and orange output indicators
- Multifunction timers have Start, Reset and Gate inputs and fit 11-pin sockets. The other timers fit 8-pin sockets.
- Delay on de-energise timers have a true OFF-delay operation up to 12 minutes and have indicator showing output state.
- Delay on energise (timed/instantaneous) timers are suitable replacements for the obsolescent STPYMH electromechanical timer.
- On the recycling timers, different ON and OFF times can be set on the concentric setting knobs. Also, selectable time ranges make it possible to have combinations of long-ON/short-OFF times or short-ON/long-ON times.
- Two panel mount adaptors are available – Order Code 104-636 is the standard adaptor; 177-529 is designed to give the same mounting as the obsolete Omron STPYMH timer
- **UL and CSA approved**

Operating modes
 313-7983, 313-7971
 313-7995, 313-8008

A: On-delay, E: Interval
 A: On-delay + Instantaneous
 A: On-delay B: Recycling OFF start, B2 = Recycling ON Start
 C: Signal ON/OFF delay, D: Signal OFF delay, E = Interval
 True OFF delay recycling (independent ON and OFF)

516-144, 516-156, 516-168
 560-558, 560-560
 Repeat accuracy
 Reset time

0.3%
 516-144, 516-156, 516-168 2s others 0.1s

Contact arrangement
 313-7995, 313-8008
 others

SPCO timed 5A @240Vac and SPCO instantaneous 5A @240Vac
 DPCO 5A @240Vac

Operating voltages
 Operating voltage range
 On-Delay and Multifunction

See below. All ac voltages are 50/60Hz
 85% to 110%
 0.12-1.2, 0.2-3, 1.2-12, 3-30 in seconds, minutes, hours and hours x 10 (16 ranges)

Off-Delay
 Recycling

0.05-0.6, 0.1-1.2, 0.5-6.0, 1.0-12 in minutes (4 ranges)
 0.05-1.2, 0.3-3.0, 1.2-12, 3-0-30 in seconds, seconds x 10 minutes or hours (16 ranges)

Mfrs. List Nos. Y92F-30 = 104-636, P2CF08 = 330-954, Y92F-70 = 177-529, P2CF11 = 425-382 ^{44x}

Voltage	Order Code	Price Each		
		1+	5+	10+
Delay on Energise (Timed/Interval) – H3CR-A8				
24-48V ac/dc	313-7983			
100-240Vac/100-125Vdc	313-7971			
Delay on Energise (Timed/Instantaneous) – H3CR-A8E(L)				
24-48V ac/dc	313-7995			
100-240Vac/100-125V ac	313-8008			
Multifunction – H3CR-A				
24-48Vac/12-24Vdc	313-7960			
100-240Vac/100-125Vdc	313-7958			
Delay on De-energise (without auxiliary supply) – H3CR-H8LM				
24V ac/dc	516-144			
110V ac	516-156			
240V ac	516-168			
Recycling – H3CR-F8				
24V ac/dc	560-558			
100-240V ac	560-560			
Sockets				
DIN rail/surface, 8 pin	330-954.			
DIN rail/surface, 11 pin	425-382.			
Panel Mount Adaptors				
Standard 45 45	104-636.			
STP type 66 52	177-529			

Solid-State Power OFF Delay Timer — H3CR-H



Long power OFF-delay times - S series: up to 12 seconds, M series: up to 12 minutes

- DIN 48 x 48mm
- **UL and CSA approved**



Operating mode Instantaneous operation/time-limit reset
 Pin type 8-pin Control output 5A at 250Vac, resistive load (cos = 1)
 Output type Relay output (DPDT) Operating temperature -10°C to +55°C

PLC228/SI

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
24 Vac/dc	H3CR-H8L AC/DC24 S	357-4830		
100-120Vac	H3CR-H8L AC100-120 S	357-4842		
200-240 Vac	H3CR-H8L AC200-240 M	357-4854		
200-240 Vac	H3CR-H8L AC200-240 S	357-4866		
8-Pin Socket	P2CF-08	330-954		

Solid-State Star-Delta Timer - H3CR-G



- Din size 48 x 48mm
- **UL and CSA approved**
- A wide star-time range (up to 120 records) and Star-delta transfer time range (up to 0.5 seconds)



Operating mode Time-limit operation/self-reset Control output 5A @ 250Vac, resistive load
 Pin type 8-pin (cosΦ = 1)
 Output type Time-limit - SPST-NO (star or delta circuit) Instantaneous - SPST-NO Operating temp. -10°C to +55°C

PLC227/SI

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
100-120 VAC	H3CR-G8EL AC100-120	357-4817		
200-240 VAC	H3CR-G8EL AC200-240	357-4829		
8-pin Socket	P2CF-08	330-954		

Solid-State Timer - Multifunctional Timer H3CR-A Series



- Din size 48 x 48mm
- An 11-pin and 8-pin model handles a wide range of applications through six or four operating modes
- Low power consumption
- **UL and CSA approved**
- Time ranges (0.05 seconds to 300 hours) selectable



H = 48, W = 48, D = 67 (behind bezel)

Control output:
 H3CR-A, H3CR-A8 5A @ 250 Vac/ 30Vdc, resistive load
 H3CR-A8E 5A @ 250 Vac, resistive load
 Operating voltage range 85% to 110% of rated supply voltage (90% to 110% @ 12Vdc)
 Power reset Minimum power-opening time: 0.1s

Operating modes:
 H3CR-A A: ON-delay, B: Flicker OFF start, B2: Flicker ON start
 C: Signal ON/OFF-delay, D: Signal OFF-delay, E: Interval
 H3CR-A8, H3CR-A8E A: ON-delay, B2: Flicker ON start, E: Interval, J: One-shot

Output type:
 H3CR-A, H3CR-A8 Relay output (DPDT)
 H3CR-A8E Relay output (SPDT)

Mfrs. List No.:
 H3CR-A AC100-240/DC100-125 = 313-7958, H3CR-A AC24-48/DC12-48 = 313-7960
 H3CR-A8 AC100-240/DC100-125 = 313-7971, H3CR-A8 AC24-48/DC12-48 = 343-7983
 H3CR-A8E AC/DC24-48 = 313-7995, H3CR-A8E AC100-240/DC100-125 = 357-9475

PLC225/SI

Voltage	Order Code	Price Each		
		1+	5+	10+
AC100-240/DC100-125	313-7958			
AC24-48/DC12-48	313-7960			
AC100-240/DC100-125	313-7971			
AC24-48/DC12-48	313-7983			
AC/DC24-48	313-7995			
AC100-240/DC100-125	357-9475			