

## H/C/E Series-Digital Timers

# H3PT-MU/C3PT-MU/E3PT-MU

## Features

- Function (programmable): ON DELAY / INTERVAL / CYCLIC.
- Type of start signal (programmable): No START SIGNAL / PULSE# / CONTINUOUS.
- 1 c/o can be configured by the user to function as INSTANT or DELAYED.
- Program lock facility is available.
- Hold/Restart – User Selectable.



## Ordering Information

Models	Function	Source Voltage	Time Selection	Output
H3PT-MU	Multifunction Up-counting	85V to 270V AC / DC	0.1Secs to 99Hrs 59Mins	1C/o Instant*, 1 C/o Delayed or 2c/o Delayed
C3PT-MU				1C/o Instant*, 2 C/o Delayed or 3 C/o Delayed
E3PT-MU				

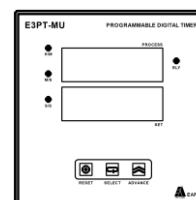
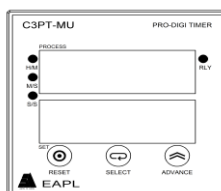
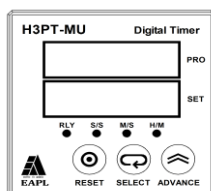
Note: \* Instant feature is not available when cyclic function is programmed

# When pulse signal is initiated the timer resets and immediately the new cycle begins.

## Front View H3PT-MU

## C3PT-MU

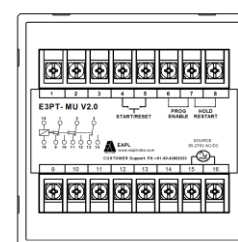
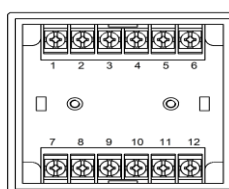
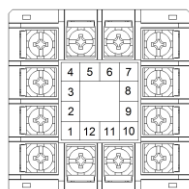
## E3PT-MU



## Rear View H3PT-MU

## C3PT-MU

## E3PT-MU



## Over-all and cut-out Dimensions

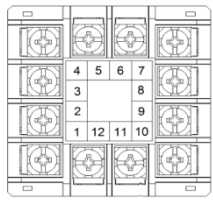
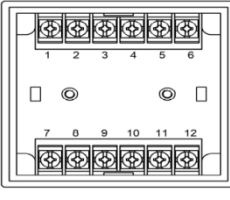
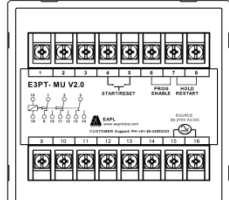
Models	Dimension Details in mm			Cut-out Dimension in mm	
	W	H	D	W	H
H3PT-MU	48	48	95.5	46	46
C3PT-MU	72	72	128.5	69	69

E3PT-MU	96	96	95.5	92	92
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## ■ Specifications

Parameters	Models	H3PT-MU	C3PT-MU	E3PT-MU
Function	ON DELAY / INTERVAL / CYCLIC			
Rated supply Voltage	85V to 270V AC/DC			
Rated Frequency	50/ 60Hz ± 5% for AC only			
Power consumption	AC Approx. 10VA    DC Approx. 5W			AC Approx.15VA DC Approx. 6W
Control Output	RLY 1 & RLY2 - 1 C/ O Rated for 5A @ 250 VAC /30VDC(NO) 3A @ 250VAC / 30VDC (NC)	RLY 1 & RLY2 - 1 C/ O Rated for 5A @ 250 VAC /28 V DC resistive load	Instant :1 C/O rated for 5A@250VAC/28VDC resistive load Delay : 2 C/O rated for 5A @250V AC/28VDC resistive load	
Display	4 digit 7 segment LED 0.28"	4 digit 7 segment LED 0.56"		
Time range	0.10 Sec to 99 Hrs 59Mins.			
Range selection	Range	Min	Max	
	S/S	0.1Sec	59.90Sec	
	M/S	1Sec	59.59Min	
	H/M	1Min	99.59Hrs	
Setting accuracy	± 1% ± 50mSec			
Repeat accuracy	± 0.05% max. ±50mSec			
Recovery Time	2 Sec minimum			
Start & Reset signal	250mSec minimum(Potential free)			
Variation due to voltage change	± 1% max ± 100mSec			
Variation due to temperature change	± 2% max ± 100mSec			
Variation due to frequency change	± 1% max ± 100mSec			
Ambient temperature	Operation : -10°C to +55°C    Storage : -25°C to +80°C			
Humidity	MAX 85% RH @ 40°C			
Service life(under no load)	10 <sup>6</sup> operations minimum			
Electrical life(under full load)	10 <sup>5</sup> operations minimum			
Rated frequency of operation	1800±5% operations per hour max			
Insulation resistance	>100M ohms @ 500V DC			
Dielectric strength	a) 2.5KV AC, 50Hz for 1 minute. (Between current carrying & noncurrent carrying parts) b) 1.5KV AC, 50Hz for 1 minute.(Between contacts & control circuit) c) 750V AC, 50Hz for 1 minute. (Between non-continuous contact of the relay)			
Electrical connection	Screw type terminals with self lifting clamps			
Over-all Dimension(WXHXD)	48 x 48 x 95.5mm		72X72X128.5	96X96X95.5
Cut-out Dimension(WXH)	46X46		69X69	92X92

## Connection and Terminal Details

Connection Details	H3PT-MU	C3PT-MU	E3PT-MU
			
Terminal Details	H3PT-MU	C3PT-MU	E3PT-MU