

H-Series Electronic Timers

H4DT-10/H4DT-30/H4DT-60/H3D1

Features

- Suitable for Din Rail Mounting (Except H3D1).
- Large transparent knob.
- Knob lock ring is provided.
- LED indication for timing in progress.

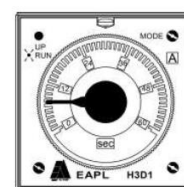
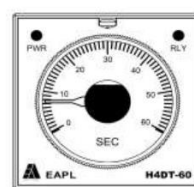
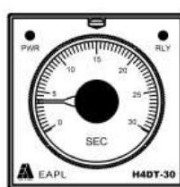
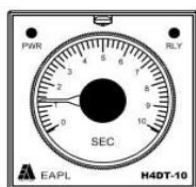


Ordering Information

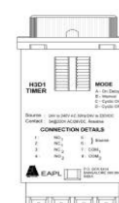
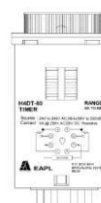
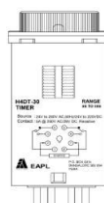
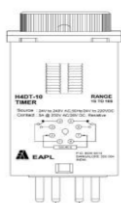
Models	Function	Source Voltage	Output
H4DT-10	On-Delay (8 Pin) Plug in type.	24V AC to 240V AC, 24V DC to 220V DC	2 C/o Relay
H4DT-30			
H4DT-60			
H3D1	Multifunction (8 terminals) screw type		

Note: H1DT-10/H1DT-30/H1DT-60 are having same function as H4DT-10/H4DT-30/H4DT-60
H1D1-X is having same function as H3D1.

Front View H4DT-10 H4DT-30 H4DT-60 H3D1



Side View H4DT-10 H4DT-30 H4DT-60 H3D1



Over-all and Cut out Dimensions

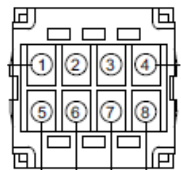
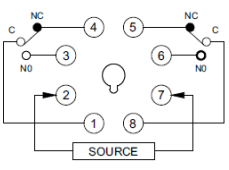
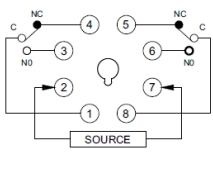
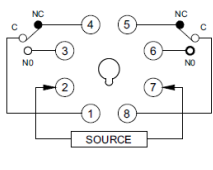
Models	Dimension Details in mm			Cut-out Dimension in mm	
	W	H	D	W	H
H4DT-10/30/60 H1DT-10/30/60	48	48	94	-	-
H3D1 H1D1-X	48	48	94	46	46

■ Specifications

Parameters	Models	H3D1	H4DT-10	H4DT-30	H4DT-60
Function		ONDELAY/INTERVAL/CYCLIC ON/CYCLIC OFF	ON DELAY TIMER		
Rated supply Voltage		24 to 240V AC & 24 to 220V DC ± 10%			
Rated Frequency		50 Hz, ± 5%			
Allowable ripple (for DC supply)		3% maximum			
Power consumption		AC approx. 3VA DC approx. 2W			
Control output		2 c/o rated for 5A @ 250VAC /28VDC resistive load			
Time range		0.3 Sec to 60 Min	1 Sec to 10 Sec	3 Sec to 30 Sec	6 Sec to 60 Sec
Range Selection		3S, 6S, 30S, 60S, 3M, 6M, 30M, 60M	-		
Recovery time		100mSec Minimum			
Setting Accuracy		± 10% max w.r.t full scale ±100mSec			
Repeat Accuracy		± 1% max ± 100mSec			
Variation due to voltage change		±2% max. ±100mSec			
Variation due to temperature change		±5% max. ±100mSec			
Variation due to frequency change		±2% max. ±100mSec			
Ambient temperature		Operation: -10 ⁰ C to +55 ⁰ C Storage : -25 ⁰ C to +80 ⁰ C			
Service life (under no load)		10 ⁶ operations minimum			
Electrical life (under full load)		10 ⁵ operations minimum			
Rated frequency of operation		1800 ± 5% operation per hour max			
Insulation resistance		>100M ohms @ 500V DC			
Dielectric strength		1) 2.5KV AC, 50Hz for 1 minute.(Between current carrying & noncurrent carrying parts) 2) 1.5KV AC, 50Hz for 1 minute.(Between contacts & control circuit) 3) 1KV AC, 50Hz for 1 minute.(Between non-continuous relay contacts)			
Electrical connection		Screw type terminals with self lifting clamps	8 Pin Plug in Type *		
Humidity		MAX 85% RH @ 40 ⁰ C			
Over-all Dimension (W x H x D)		48X 48 X 94 mm			
Cut-out Dimension (WxH)		46X 46 mm	-	-	-

*For H1DT-10/H1DT-30/H1DT-60 11pin plug in type is used.

Connection and Terminal Details

Connection Details	H3D1	H4DT-10	H4DT-30	H4DT-60
				
Terminal Details	H3D1	H4DT-10	H4DT-30	H4DT-60
	5, 6 : Source voltage 7, 8 : COM1, COM2 1, 2 : NO1, NC1 3, 4 : NC2, NO2	2,10 : Source Voltage 1,4,3 : C, NC, NO 11,8,9 : C, NC, NO	2,10 : Source Voltage 1,4,3 : C, NC, NO 11,8,9 : C, NC, NO	2,10 : Source Voltage 1,4,3 : C, NC, NO 11,8,9 : C, NC, NO