



## Product Features

- Din sized enclosure for Track (Din rail) / Screw mounting.
- Front terminal protective cover for safety.
- LED indication for timing in progress.
- A1DA :External (zero volt / potential free) command contact for timing initiation.

## Specifications

Model	A1D1	A1D1-X	A1D1-X (60M)	A1DE-X	A1DN-X	A1DCS-X
Function	On-Delay Timer	On-Delay Timer	On-Delay Timer	Interval Timer	Aux. Relay Timer	Equal Off-On Cyclic
Rated supply voltage	240V AC	24V to 240V AC, 24V to 220V DC				
Operating voltage range	-20% to +10% of rated voltage	-10% to +10% of rated voltage				
Rated frequency	50Hz $\pm$ 5%	50 / 60Hz $\pm$ 5%				
Allowable ripple (for DC supply only)	N.A	3% maximum				
Power consumption	AC approx.10VA / 2W	AC approx. 5VA / 1W, DC approx. 3W			AC approx. 3VA / 1W, DC approx. 2W	AC approx. 5VA / 1W, DC approx. 3W
Control relay output	2C/O rated for 5A @ 250VAC/28VDC resistive load					2 c/o rated for 5A@250V AC / 28V DC, resistive load
Time range	0.3Sec - 30Min	0.3Sec - 30Min	0.6Sec - 60Min	0.3Sec - 30Min	20mSec max	0.6Sec - 60Min
Range selection	3S, 30S, 3M, 30M	3S, 30S, 3M, 30M	6S, 60S, 6M, 60M	3S, 30S, 3M, 30M	N.A	6S, 60S, 6M, 60M
Setting accuracy	$\pm$ 10% max. w.r.t full scale $\pm$ 100mSec				N.A	$\pm$ 10% max. w.r.t full scale $\pm$ 100mSec
Repeat accuracy	$\pm$ 1% max. $\pm$ 100mSec				N.A	$\pm$ 1% max. $\pm$ 100mSec
Recovery time	100mSec minimum					
Variation due to voltage change	$\pm$ 2% max. $\pm$ 100mSec				N.A	$\pm$ 2% max. $\pm$ 100mSec
Variation due to temperature change	$\pm$ 5% max. $\pm$ 100mSec				N.A	$\pm$ 5% max. $\pm$ 100mSec
Variation due to frequency change	$\pm$ 2% max. $\pm$ 100mSec				N.A	$\pm$ 2% max. $\pm$ 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>8</sup> operations minimum					
Electrical life (under full load)	10 <sup>5</sup> operations minimum					
Rated frequency of operation	1800 $\pm$ 5% operations per hour maximum					
Insulation resistance	>100M ohms@500V DC					
Dielectric strength	1. 1.5KV AC(rms), 50Hz for 1min (Between INPUT terminals and enclosure) 2. 1.5KV AC(rms), 50Hz for 1min (Between relay contact terminals and enclosure) 3. 1.5KV AC(rms), 50Hz for 1min (Between INPUT terminals & relay contact terminals) 4. 1.0KV AC(rms), 50Hz for 10-30sec(Between non-continuous contacts of the relay)					1. 1.5KV AC(rms), 50Hz for 1min (Between INPUT terminals and enclosure) 2. 1.5KV AC(rms), 50Hz for 1min (Between relay contact terminals and enclosure) 3. 1.5KV AC(rms), 50Hz for 1min (Between INPUT terminals & relay contact terminals) 4. 1.0KV AC(rms), 50Hz for 10 to 30sec (Between non continuous contacts of the relay)
Electrical connection	Screw type terminals with self lifting clamps					
Dimension	22.5 x 75 x 102mm (W x H x D)					
Enclosure (series)	A1D series					
Approval	CSA (FILE NO : LR 105610)					