



Product Features

- Din sized enclosure for Track (Din rail) / Screw mounting.
- B1DCA-T : HOLD / RESTART facility during power fail conditions.
- B1DCA-T : Auto / Manual switch for mode of operation
- B1DCA-T : Program - enable / disable facility for tamper proof operation.
- B1DCA-X, B1DCA-T : Independently selectable ON & OFF time.
- SPP-T :Trips under phase missing, phase reversal or phase unbalance
- In manual mode, terminals provided to connect to switch so as to manually switch ON and switch OFF load

Specifications

Model	B1DCA-X	B1DCA-T	B1DS
Function	Cyclic with On-Off time independently adjustable	Cyclic with On-Off time independently adjustable	Star-Delta changeover timer with star time & transfer time settable
Rated supply voltage	24V AC to 240V AC 24V DC to 220V DC	240V AC	440V AC
Operating voltage range	-10% to +10% of rated voltage	-15% to +10% of rated voltage	-20% to +10% of rated voltage
Allowable ripple (for DC supply only)	3% Max	N.A	
Rated frequency	50Hz \pm 5%		
Control relay output	2 c/o rated for 5A @ 250V AC / 28V DC resistive load		Rated for 5A @ 250V AC / 28V DC resistive load
Power consumption	AC approx. 5VA / 1W, DC approx. 2W	AC approx. 20VA	AC approx. 20VA / 4W
Time range	0.6Sec - 60Min	0.1Sec - 10Hrs	Start time: 0.6Sec - 60Sec Transfer Time : 40mSec / 100mSec Settable
Range selection	6S, 18S, 36S, 60S, 3M, 6M, 30M, 60M	1S, 10S, 1M, 10M, 1H, 10H	6Sec,60Sec / transfer time 40msec,100msec
Setting accuracy	\pm 10% max. w.r.t full scale \pm 100mSec		
Repeat accuracy	\pm 1% max. \pm 100mSec	\pm 1% max. \pm 100mSec	
Recovery time	100mSec minimum	500mSec minimum	150mSec minimum
Minimum energisation time	N.A	N.A	
Temperature co-efficient	N.A	N.A	
Variation due to voltage change	\pm 2% max. \pm 100mSec		
Variation due to temperature change	\pm 5% max. \pm 100mSec		
Variation due to frequency change	\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 ⁶ operations minimum		
Electrical life (under full load)	10 ⁵ operations minimum		
Rated frequency of operation	1800 \pm 5% operations per hour maximum		
Insulation resistance	> 100M ohms@500V DC		
Dielectric strength	1. 2.5KV AC, 50Hz for 1minute.(Between current carrying & non current carrying parts.) 2. 1.5KV AC, 50Hz for 1minute. (Between contacts & control circuit.) 3. 1KV AC, 50Hz for 1minute. (Between non-continuous contacts of the relay.)		1. 2.5KV AC, 50Hz for 1minute.(Between current carrying & non current carrying parts.) 2. 1.5KV AC, 50Hz for 1minute.(Between contacts & control circuit.) 3. 750V AC,50Hz for 1minute.(Between non-continuous relay contacts.)
Electrical connection	Screw type terminals with self lifting clamps		
Dimension	45 x 75 x 116mm (W x H x D)		
Enclosure (series)	B1D series		