

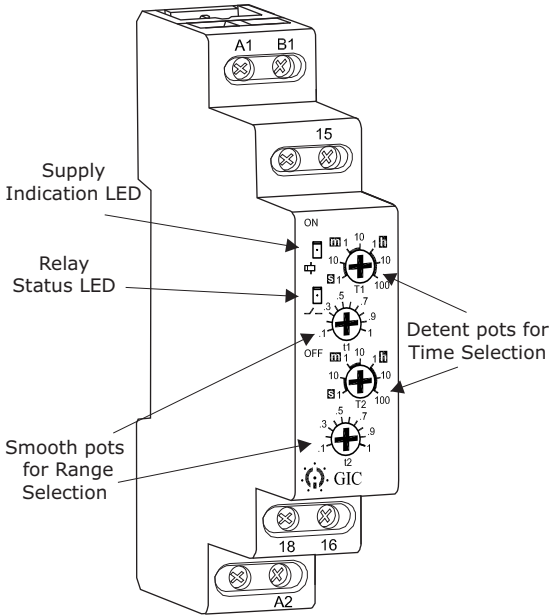
TECHNICAL SPECIFICATIONS:	
Cat. No.:	1CJDT0
SUPPLY CHARACTERISTICS:	
Supply Voltage	12 - 240 VAC / DC
Supply Variation	-15 % to +10 % of
Frequency	50 to 60 Hz, (± 3 Hz)
Power Consumption (Max.)	2 VA
RELAY O/P CHARACTERISTICS:	
Contact Arrangement	1 C/O Potential free contacts
Contact Rating (Resistive Load)	8A (Res.) @ 250 V AC, 5A at 24 VDC
Contact Material	AgNi
Electrical Life	50000 Operations min.
Mechanical Life	10000000 Operations min.
FEATURE CHARACTERISTICS:	
Timing Ranges	1 s; 10 s; 1 min.; 10 min.; 1 h; 10h; 100h
Setting Accuracy	+/- 5% of full scale
Repeat Accuracy	+/- 1%
Mode Adjustment	Flush (Refer "Functions diagram")
Supply Indication on front panel	Green LED for power Amber LED for Relay.
Mounting	Din-Rail
Dimensions ( W X H X D )	18 x 60 x 85 ( in mm)
Weight (Unpacked)	72 gms.
Humidity	95% Rh Non Condensing
Operating Temperature	-10° C to + 60° C
Storage Temperature	-15° C to + 70° C
Housing Color	Dark Gray
Max. Operating Altitude	2000 m
Housing	Flame retardant (UL 94-V0)
Degree & Protection	IP - 20 for Terminal, IP - 40 for Housing.
Pollution Degree	II
Isolation ( I/P and O/P)	2 kV
Isolation (Terminal and Casing )	4 kV
Type of Insulation	Reinforced
Certifications	CE, RoHS
Initiate Time	Max. 100 ms
Reset Time	Max. 200 ms
EMI / EMC:	
Harmonic Current Emissions	IEC 61000-3-2 Ed. 3.0 (2005-11) Class A
ESD	IEC 61000-4-2 Ed. 1.2 (2001-04) Level II
Radiated Susceptibility	IEC 61000-4-3 Ed. 3.0 (2006-02) Level III
Electrical Fast Transient	IEC 61000-4-4 Ed. 2.0 (2004-07) Level IV
Surge	IEC 61000-4-5 Ed. 2.0 (2005-11) Level III
Conducted Susceptibility	IEC 61000-4-6 Ed. 2.2 (2006-05) Level III
Voltage Dips & Interruptions (AC)	IEC 61000-4-11 Ed. 2.0 (2004-3) For ≤ 24 VAC/DC, Performance Criteria B
Conducted Emission	CISPR 14-1 Ed. 5.0 (2005 -11) Class B
Radiated Emission	CISPR 14-1 Ed. 5.0 (2005-11) Class A

**ELECTRONIC TIMER - SERIES MICON™ 175**



**ASYMMETRIC ON OFF / OFF ON TIMER**

Cat. No.:

1CJDT0



**TERMINAL DETAILS:**

 Ø3.5...4.0 mm	Torque 0.6 N.m (6 Lb.in) Terminal screw - M3
	1 x 0.8..4 mm <sup>2</sup> Solid / Stranded Wire
AWG	1 x 18 to 10

Use Cu wire of 75°C only.

AWG	CURRENT (A)
12	5.00
14	3.33
16	1.67

**ELECTRONIC TIMER - SERIES MICON™ 175**  
**ASYMMETRIC ON OFF / OFF ON TIMER**

Series 175 Asymmetric On Off / Off On Timer is manufactured to a high degree of precision & accuracy. The time settings are stepless and can be set with the knob.

**Feature:**

Asymmetric On-Off / Off-On Timer:

- 17.5mm wide
- Time setting from: 1 s; 10 s; 1 min; 10 min; 1 h; 10 h; 100 h.
- LED status indicators: Power On (Green) and Relay status (Amber).
- Cadmium free contact material.

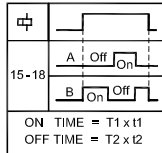
**FUNCTION DIAGRAM :**

**A) ASYMMETRIC OFF - ON :**

If the link is not connected at A1-B1 and Supply is turned ON. Timing starts and Output Relay remains OFF for set Time. After set OFF Time has elapsed, Output Relay turns ON and remains ON till the set ON time has elapsed and the cycle repeats.

**B) ASYMMETRIC ON - OFF :**

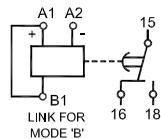
If the link is connected at A1-B1 and supply is turned ON, Output Relay turns On and Timing starts. Output Relay turns OFF after the Set ON time has elapsed and remains OFF till the Set OFF time has elapsed and the cycle repeats.



**NOTE:**

1. T1 and T2 are detent pots for Time selection
2. t1 and t2 are smooth pots for Range Selection

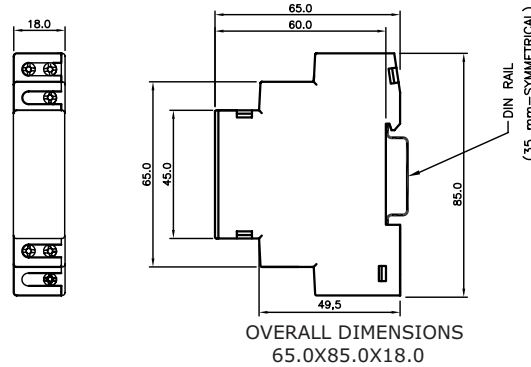
**Connection Diagram:**



**MODE SELECTION:**

MODE	SELECTION
ASYMMETRIC OFF - ON	Do not connect Link between A1 & B1
ASYMMETRIC ON - OFF	Connect Link between A1 & B1

**Overall product dimensions and mounting details :**



**INSTALLATION:**

- a. DIN-Rail Mounting:  
The Timer should be mounted on 35 mm symmetrical DIN Rail.

**CAUTION:**

1. Always follow the instructions stated in this product leaflet.
2. Before installation, check to ensure that the specifications agree with the intended application.
3. Installation to be done by skilled electrician.
4. Automation & Control devices must be properly installed so that they are protected against any risk of involuntary actuations.
5. Suitable dampers should be provided in case of excessive vibrations.
6. Use of 250 mA fuse in series with product supply is recommended, for protection.
7. The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application.
8. Setting of all potentiometers must be done in the clockwise direction only.
9. At power on to detect the proper mode, 100 ms (minimum) stable signal input should be present.
10. Keep at least 1 cm clearance from both side while using this product.

**NOTE:**

Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.

Safety:		
Test Voltage between I/P and O/P	IEC 60947-5-1	Ed.3.0 (2003-11) 2 kv
Test Voltage between all terminals and enclosure	IEC 60947-5-1	Ed.3.0 (2003-11) 4 kv
Impulse Voltage between I/P and o/p	IEC 60947-5-1	Ed.3.0 (2003-11) Level IV
Single Fault	IEC 61010-1	Ed.2.0 (2001-02)
Insulation Resistance	UL 508	Ed.17 (1999-01) > 50 kΩ
Leakage Current	UL 508	Ed.17 (1999-01) < 3.5 mA
Product	IEC 61812-1	Ed.1.0 (1996-10)
Environmental:		
Cold Heat	IEC 60068-2-1	Ed.6.0 (2007-03)
Dry Heat	IEC 60068-2-2	Ed.5.0 (2007-07)
Repetitive Shock	IEC 60068-2-27	Ed.4.0 (2008-02), 40 g, 6 ms
Non-Repetitive Shock	IEC 60068-2-27	Ed.4.0 (2008-02), 30 g, 15 ms