



# Electronic Timer - Series Micon® 175

- Compact 17.5mm
- Wide time range: 0.1s - 100h
- Highly accurate
- Multi-function: 10 different functions (Signal & Non Signal based)
- Multi-voltage: Single model suitable for both AC and DC applications
- Separate indications for power and relay status
- Low power consumption





Cat. No.		1CMDT0
Supply Voltage (⎓)		12 - 240 VAC/DC
Supply Variation		- 15% to +10% (of ⎓)
Frequency		50/60 Hz
Signal Supply Range		As per Supply Voltage (⎓)
Power Consumption (Max.)		2 VA
Modes		1. On Delay [tn], 2. Cyclic ON/OFF [cnf], 3. Cyclic OFF/ON [cfn], 4. Signal OFF Delay [sf], 5. Signal OFF/ON [sfn], 6. Accumulative Delay on Signal [san], 7. Impulse ON/OFF [inf], 8. Leading Edge Impulse [iL], 9. Trailing Edge Impulse [it], 10. Leading Edge Bi-stable [sbi]
Timing Ranges		0.1s to 100h
Accuracy: Setting Accuracy Repeat Accuracy		± 5% of Full scale ± 1%
Relay Output Contact Rating Contact Material Electrical Life Mechanical Life		1 C/O (SPDT) 8A (resistive) @ 240 VAC / 5A (resistive) @ 24 VDC Ag Alloy 1X10 <sup>5</sup> 1X10 <sup>7</sup>
LED Indication		Green LED → Power ON, Yellow LED → Relay ON
Initiate Time		100 ms (Max.)
Reset Time		100 ms (Max.)
Utilization Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A
	DC - 13	Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A
Operating Temperature		-15°C to +60°C
Storage Temperature		-20°C to +80°C
Humidity (Non Condensing)		95% (Rh)
Enclosure Dimension (W x H x D) (in mm) Weight (unpacked)		Flame Retardant UL94-V0 18 X 60 X 85 70 g
Mounting		Base / DIN rail
Certification		 
Degree of Protection		IP 20 for Terminals, IP 40 for Enclosure
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 IV
Electrical Fast Transients	IEC 61000-4-4	Ed. 2.0 (2004-07) Level IV
Surges	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	IEC 61000-4-11	Ed. 2.0 (2004-03) Performance Criteria B/A
Conducted Emission	CISPR 14-1	Ed. 5.0 (2005-11) Class A
Radiated Emission	CISPR 14-1	Ed. 5.0 (2005-11) Class A
Environmental		
Cold Heat	IEC 60068-2-1	Ed. 6.0 (2007-03)
Dry Heat	IEC 60068-2-2	Ed. 5.0 (2007-07)
Vibration	IEC 60068-2-6	Ed. 7.0 (2007-12) 5g
Repetitive Shock	IEC 60068-2-27	Ed. 4.0 (2008-02) 40g, 6ms
Non-repetitive shock	IEC 60068-2-27	Ed. 4.0 (2008-02) 30g, 15ms

## ORDERING INFORMATION

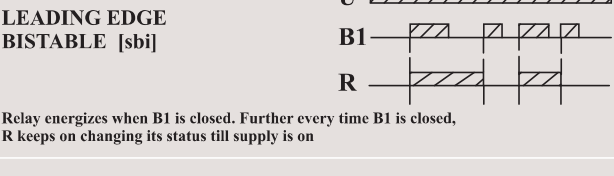
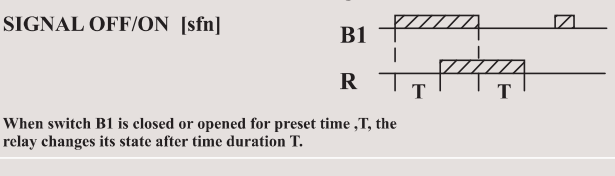
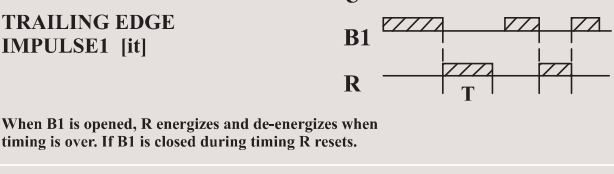
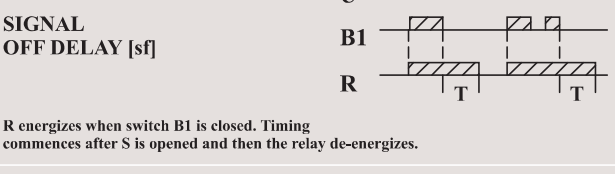
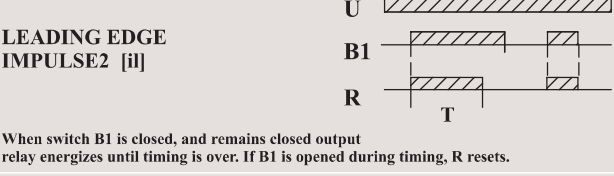
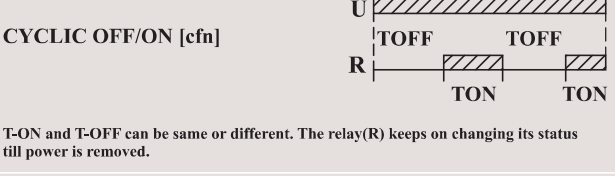
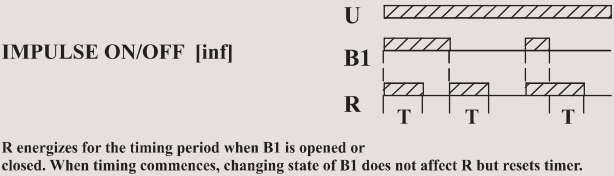
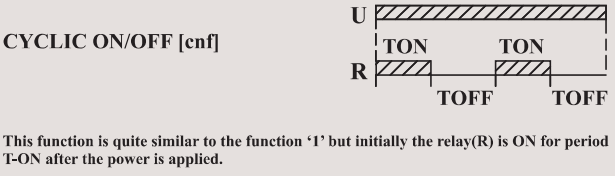
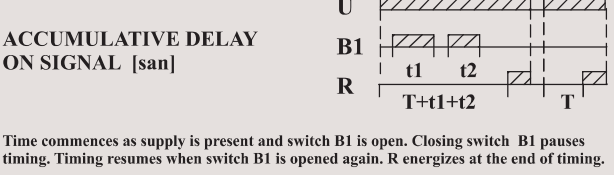
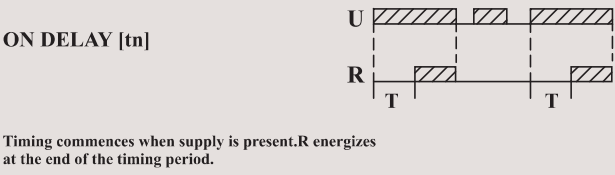
Cat. No.	Description
1CMDT0	12 - 240 V AC/DC, Multifunction (10 Modes), 1 C/O, Dark Grey Casing
1CMDTB	12 - 240 V AC/DC, Multifunction (10 Modes), 1 C/O, Light Grey Casing

## TERMINAL TORQUE & TERMINAL CAPACITY

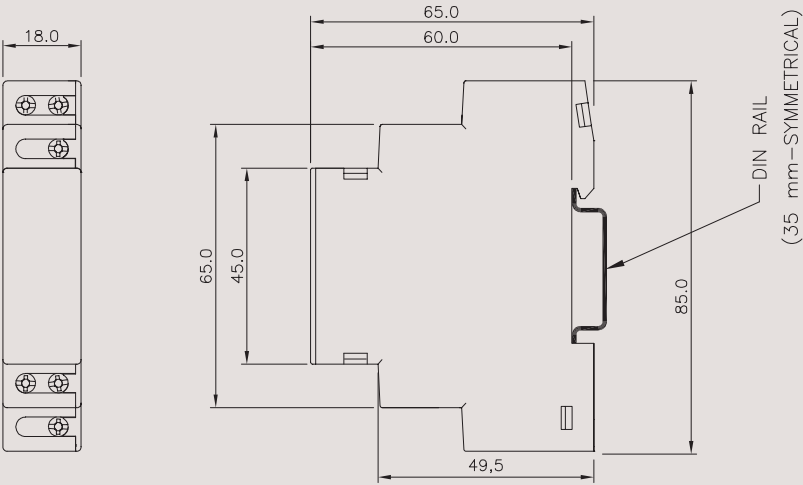
 Ø3.5...4.0 mm	0.6 N.m (6 Lb.in) Terminal screw - M3
	1 x 0.8...5 mm <sup>2</sup> Solid/Stranded Cu wire
AWG	1 x 18 to 10



FUNCTIONAL DIAGRAMS FOR 1CMDT0 & 1CMDTB



MOUNTING DIMENSION (mm)



CONNECTION DIAGRAM

