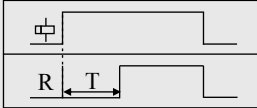
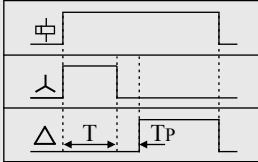


Electronic Timer - Series Micon® 175

- Compact 17.5mm Wide
- Integrated Dual Voltage
- Functions: ON Delay, Star Delta, One Shot
- Wide Time Range: 0.3s - 30h
- LED Indications for Power and Relay status
- Low Power Consumption

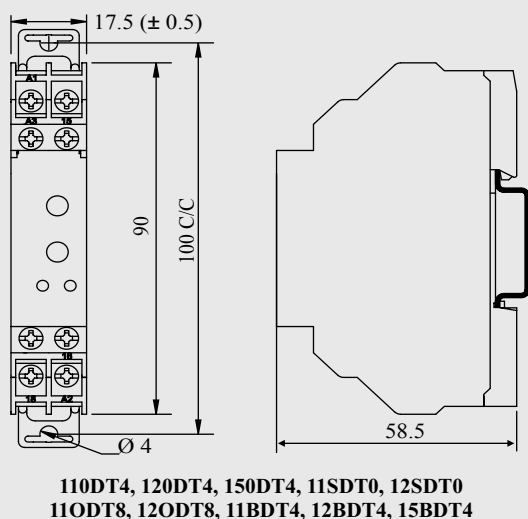
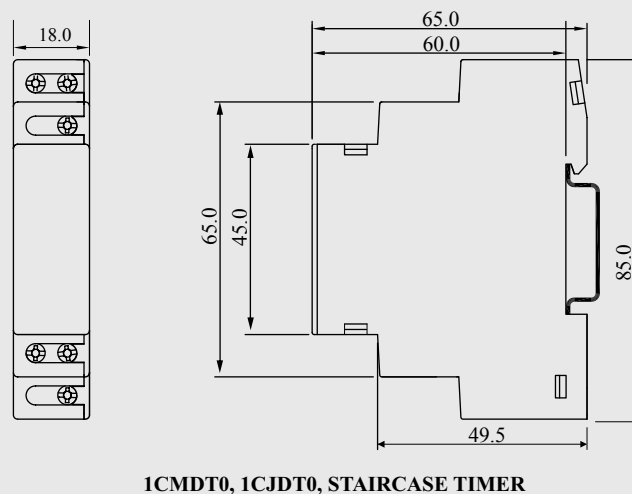
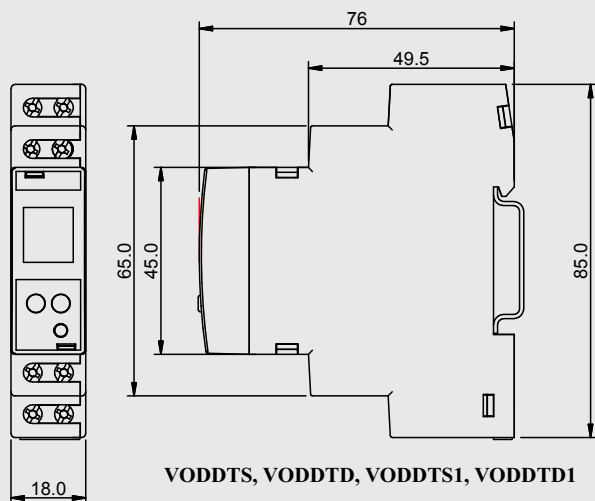


Cat. No.	12ODT4	12SDT0
Parameters		
Timer Description	ON Delay Timer	Star Delta Timer
Mode	ON Delay	Star Delta
Functional Diagram		
Supply Voltage (φ)	240 VAC / 24 VAC/DC	240 VAC
Supply Variation	- 20% to +10% (of φ)	- 20% to +10% (of φ)
Frequency	50/60 Hz	50 Hz
Power Consumption (Max.)	8 VA	8 VA
Timing Ranges	0.3s to 30h	3s to 120s
Pause Time	N A	60 ms
Reset Time	100 ms (Max.)	150 ms (Max.)
Setting Accuracy	± 5% of Full scale	
Repeat Accuracy	± 1%	
Output	Relay Output	1 C/O
	Contact Rating	5A @ 240 VAC / 28 VDC (Resistive)
	Electrical Life	1X10 ⁵
	Mechanical Life	5X10 ⁶
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	-10°C to +55°C	
Storage Temperature	-20°C to +70°C	
Humidity (Non Condensing)	95% (Rh)	
LED Indication	Green LED → Power ON, Red LED → Relay ON	Red LED 1 → 'Δ' ON, Red LED 2 → 'Δ' ON
Enclosure	Flame Retardant UL94-V0	
Dimension (W x H x D) (in mm)	17.5 X 90 X 58.5	
Weight (unpacked) Approx.	65 g	60 g
Mounting	Base / DIN Rail	
Certification	  Compliant	
Degree of Protection	IP 20 for Terminals, IP 40 for Enclosure	
EMI / EMC		
Harmonic Current Emissions	IEC 61000-3-2	
ESD	IEC 61000-4-2	
Radiated Susceptibility	IEC 61000-4-3	
Electrical Fast Transients	IEC 61000-4-4	
Surges	IEC 61000-4-5	
Conducted Susceptibility	IEC 61000-4-6	
Voltage Dips & Interruptions (AC)	IEC 61000-4-11	
Voltage Dips & Interruptions (DC)	IEC 61000-4-29	
Conducted Emission	CISPR 14-1	
Radiated Emission	CISPR 14-1	
Environmental		
Cold Heat	IEC 60068-2-1	
Dry Heat	IEC 60068-2-2	
Vibration	IEC 60068-2-6	
Repetitive Shock	IEC 60068-2-27	
Non-Repetitive Shock	IEC 60068-2-27	

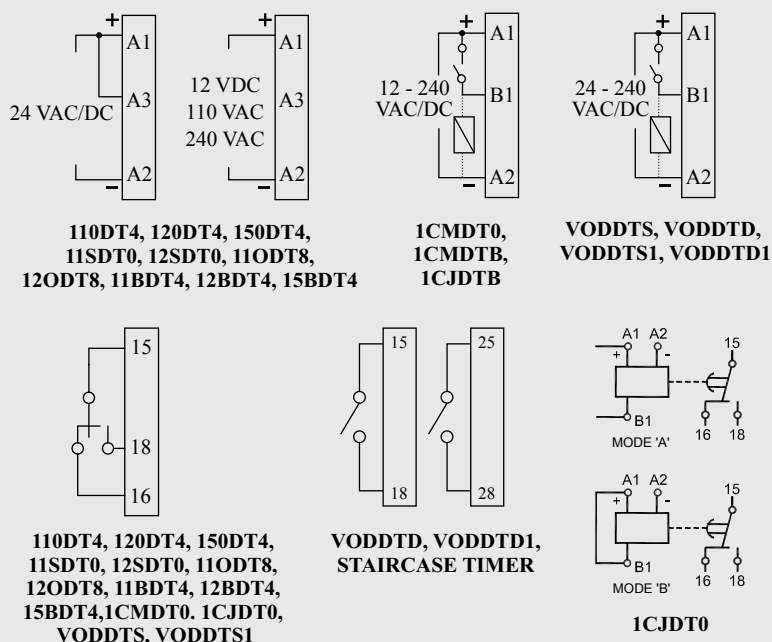
ORDERING INFORMATION

Cat. No.	Description
110DT4	110 VA / 24 VAC/DC, ON Delay Timer, 1 C/O
120DT4	240 VAC / 24 VAC/DC, ON Delay Timer, 1 C/O
150DT4	12 VDC, ON Delay Timer, 1 C/O
11SDT0	110 VAC, Star Delta Timer, 1 NO (Star) + 1 NO (Delta)
12SDT0	240 VAC, Star Delta Timer, 1 NO (Star) + 1 NO (Delta)
14SDT1S	240-415V AC, Star Delta Timer, 1C/O (Star) + 1C/O (Delta), 3-30 Sec.

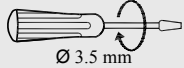
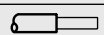
MOUNTING DIMENSIONS (mm)



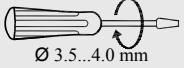
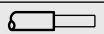
CONNECTION DIAGRAM



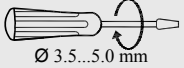
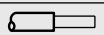
TERMINAL TORQUE & CAPACITY

 Ø 3.5 mm	Torque - 0.40 N.m (3.5 Lb.in) Terminal screw - M2.5
	Solid Wire - 1 X 0.3...2.5 mm ²
AWG	1 X 22 to 14

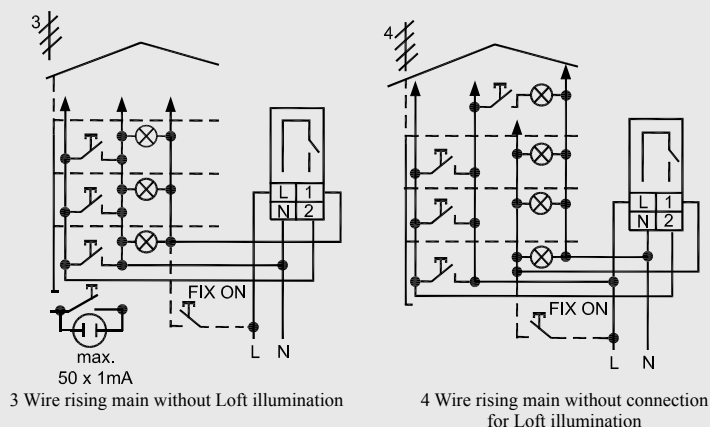
VODDTS, VODDTD, VODDTS1, VODDTD1

 Ø 3.5...4.0 mm	Torque - 0.6 N.m (6 Lb.in) Terminal screw - M3
	Solid Wire - 1 X 1...4 mm ²
AWG	1 X 18 to 10

1CMDT0, 1CJDT0, STAIRCASE TIMER

 Ø 3.5...5.0 mm	Torque - 1.1 N.m (10 Lb.in) Terminal screw - M3.5
	Solid Wire - 2 X 0.2...2.5 mm ²
AWG	1 X 24 to 10

110DT4, 120DT4, 150DT4, 11SDT0, 12SDT0, 11ODT8, 12ODT8, 11BDT4, 12BDT4, 15BDT4



STAIRCASE TIMER