

# Electronic Timer - Series Micon® 175

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



Cat. No.	12ODT4		12SDT0
<b>Parameters</b>			
Timer Description	<b>ON Delay Timer</b>		<b>Star Delta Timer</b>
Mode	ON Delay		Star Delta
Functional Diagram	Codigo NDU 05040115GI 		
Supply Voltage (φ)	240 VAC / 24 VAC/DC		240 VAC / 24 VAC/DC
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)	Star - 1 'NO', Delta - 1 'NO' 5A @ 240 VAC / 3A @ 30 VDC (Resistive)
	Electrical Life	1X10 <sup>5</sup>	
	Mechanical Life	5X10 <sup>6</sup>	
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 → '∧' 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)	65 g		60 g
Mounting	Base / DIN Rail		
Certification			
Degree of Protection	IP 20 for Terminals, IP 40 for Enclosure		
<b>EMI / EMC</b>			
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 Transients	IEC 61000-4-4	Ed. 2.0 (2004-07) Level IV	
Surges	IEC 61000-4-5	Ed. 2.0 (2005-11) Level IV	
Conducted Susceptibility	IEC 61000-4-6	Ed. 2.2 (2006-05) Level III	
Voltage Dips & Interruptions (AC)	IEC 61000-4-11	Ed. 2.0 (2004-03) All 7 Levels	
Voltage Dips & Interruptions (DC)	IEC 61000-4-29	Ed. 1.0 (2000-08) All 5 Levels	
Conducted Emission	CISPR 14-1	Ed. 5.0 (2005-11) Class A	
Radiated Emission	CISPR 14-1	Ed. 5.0 (2005-11) Class A	
<b>Environmental</b>			
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
11ODT4	110 VA / 24 VAC/DC, ON Delay Timer, 1 C/O
12ODT4	240 VAC / 24 VAC/DC, ON Delay Timer, 1 C/O
15ODT4	12 VDC, ON Delay Timer, 1 C/O
11SDT0	110 VAC / 24 VAC/DC, Star Delta Timer, 1 NO (Star) + 1 NO (Delta)
12SDT0	240 VAC / 24 VAC/DC, Star Delta Timer, 1 NO (Star) + 1 NO (Delta)