

Electronic Timer - Series Micon® 480

- Multi Function, Asymmetric ON/OFF, and Star Delta Timers
- Wide operating Voltage range
- Front access for frequent change of parameters
- Universal Mounting



Cat. No.	40MFS0	40AFS0	40SFS0
Parameters			
Timer Description	Multi Function Timer	Asymmetric Timer	Star Delta Timer
Mode	ON Delay, Interval, Cyclic ON/OFF, Signal OFF Delay	Asymmetrical ON/OFF	Star Delta
Functional Diagram			
Supply Voltage (ϕ)	24 - 240 VAC/DC		110/240 VAC
Supply Variation	- 20% to + 10% (of ϕ)		
Frequency	50/60 Hz		
Timing Ranges	0.1s to 10h		3s to 120s
Pause Time	N A		60ms, 90ms, 120ms, 150ms
Reset Time	100 ms (Max.)		
Setting Accuracy	± 5% of Full scale		
Repeat Accuracy	± 1%		
Output	Relay Output	2 C/O	Star - 1 'NO', Delta - 1 'NO'
	Contact Rating	5A @ 240 VAC / 28 VDC (Resistive)	
	Electrical Life	1x10 ⁶	
	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 → ⋄ ON
Enclosure	Flame Retardant UL94-V0		
Dimension (W x H x D) (in mm)	48 X 48 X 95		
Weight (unpacked)	114 g		
Mounting	Base / DIN Rail, Flush with 11 or 8 pin Universal socket		
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 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) Level All 7 Levels	
Voltage Dips & Interruptions (DC)	IEC 61000-4-29	Ed. 1.0 (2000-08) Level 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	
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
40MFS0	24 - 240 VAC/DC, Multi Function Timer (4 Modes), 2 C/O, 11 Pin
40MFE0	24 - 240 VAC/DC, Multi Function Timer (4 Modes), 2 C/O, 8 Pin
40AFS0	24 - 240 VAC/DC, Asymmetric Timer, 2 C/O, 11 Pin
40SFS0	24 - 240 VAC, Star Delta Timer, 1 NO (Star) + 1 NO (Delta), 11 Pin
460FE8	24 VAC/DC, ON Delay Timer, 1 Instant C/O + 1 Delayed C/O, 8 Pin
430FE8	110 VAC, ON Delay Timer, 1 Instant C/O + 1 Delayed C/O, 8 Pin
470FE8	240 VAC, ON Delay Timer, 1 Instant C/O + 1 Delayed C/O, 8 Pin