

Motor Control Timers

- Brown Out Timer with 3 Functions: ON Delay, Interval, Pulse
- Detects Voltage Dips and Momentary Loss of Supply & Resets the control panel
- Low Power Consumption
- Fast Response Time
- LED indications for Healthy & Unhealthy conditions
- Excellent Noise Immunity to the latest IEC standards



Ordering Information

Cat. No.	Description
23UDT0	110 VAC, Brown Out Timer with 3 Functions, 1 C/O
27UDT0	240 VAC, Brown Out Timer with 3 Functions, 1 C/O

Motor Control Timers



Cat. No.	23UDT0	27UDT0
Parameters		
Timer Description	Brown Out Timer	
Modes	ON Delay, Interval, Pulse	
Functional Diagram		
Supply Voltage (ϕ)	110 VAC	240 VAC
Supply Variation	- 40% to +10% (of ϕ)	- 40% to +10% (of ϕ)
Frequency	50/60 Hz	50 Hz
Power Consumption (Max.)	6 VA	10 VA
Timing Range	0.3s to 30s	0.3s to 30s
Initiate Time	Max. 200 ms	Max. 200 ms
Trip Voltage	81 V (\pm 6 V)	168 V (\pm 6 V)
Recovery Voltage	96 V (\pm 4 V)	184 V (\pm 4 V)
Response Time	Voltage Interruptions 15 ms (Max.) Voltage Dips 30 ms (Max.)	
Setting Accuracy	\pm 5% of Full scale	
Repeat Accuracy	\pm 1%	
Output	Relay Output 1 C/O Contact Rating 5A @ 240 VAC / 28 VDC (Resistive) Electrical Life 1×10^5 Mechanical Life 1×10^7	
Utilization Category	AC - 15 DC - 13	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A 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	-10°C to +60°C	
Humidity (Non Condensing)	95% (Rh)	
LED Indication	Healthy Condition: Flashing, Unhealthy Condition: Blinking	
Colour	Amber	Red
Enclosure	Flame Retardant UL94-V0	
Dimension (W x H x D) (in mm)	22.5 X 75 X 100.5	
Weight (unpacked)	130 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
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
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