

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	<p style="text-align: center;">ON DELAY</p>	<p style="text-align: center;">INTERVAL</p>	<p style="text-align: center;">PULSE</p>
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 (± 6 V)	168 V (± 6 V)	
Recovery Voltage	96 V (± 4 V)	184 V (± 4 V)	
Response Time	15 ms (Max.)		
Voltage Interruptions	30 ms (Max.)		
Voltage Dips	30 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	1x10 ⁷	
Utilization Category	AC - 15	Rated Voltage (U _e): 120/240 V, Rated Current (I _e): 3.0/1.5 A	
	DC - 13	Rated Voltage (U _e): 24/125/250 V, Rated Current (I _e): 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