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360695

48mm X 48mm Plug-In Style Time Delay Relay



FEATURES

Up to 10 Functions

Broad Timing Range

Contact Configuration

Tamper proof Dust Cover

Universal Power Supply

Thumb Wheel Adjustment for Function / Timing

2 LED Status Indicators

RoHs Compliant

BENEFITS

5 Timing Functions Controlled via Supply Voltage

4 Timing Functions Controlled via Trigger Input

1 Timing Function of Memory Latching Relay

0.1 Seconds to 9990 Hours

DPDT

Retains Settings / Keeps Dust Out

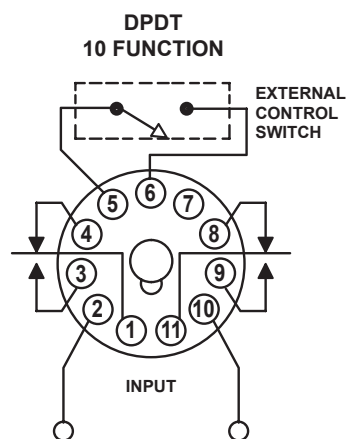
12 – 240 VAC/VDC

No Mechanical Deviation

Indicate Coil Pwr / Timing Out / Output State

Environmentally Friendly

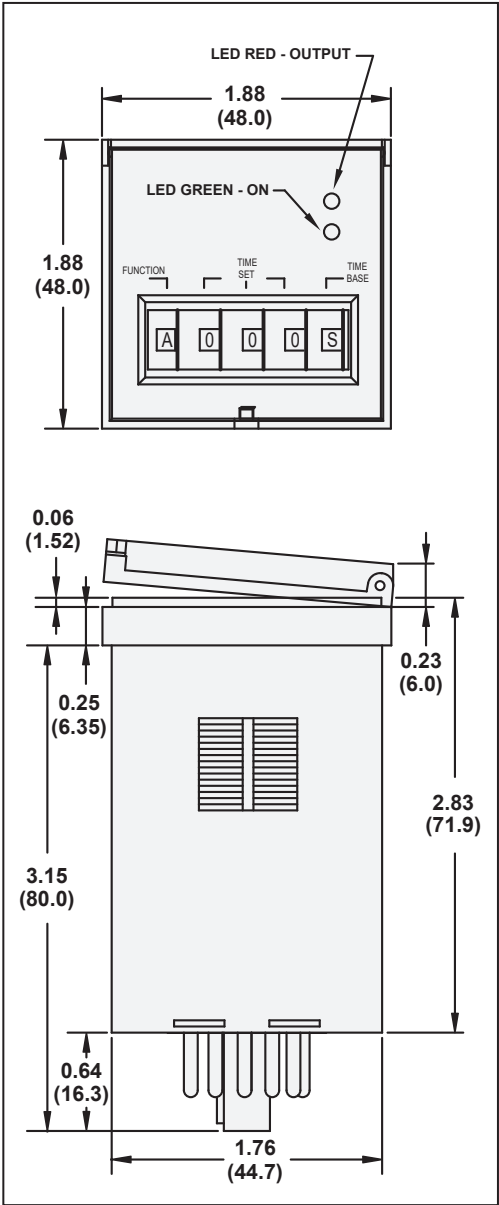
WIRING DIAGRAMS VIEWED FROM PIN END



SPECIFICATIONS (@ 25°C)

	DPDT, 10 FUNCTION
TIMING:	
Functions	10
Time Scales	10-10H, H, .1H, M, .1M, S, .1S, .1M, S, .1S
Time Range	.1 Second to 9990 Hours
Time Adjustment	Thumbwheels
Timing Deviation (mechanical setting)	None
Timing Repeatability (constant voltage & temperature)	0.10%
Reset Time	150mS
Input Pulse Length	50mS minimum
INPUT:	
Input Voltage	12 to 240 VAC 50/60Hz/VDC
Input Voltage Tolerance	-15%, +15%
Power Consumption	2.5VA/2W maximum
Transient Protection	maximum4kv burst/surge IEC61000-4-5/-4-4
Reverse Polarity Protection	Non-polarity sensitive
Operate Time	25mS maximum
Release Time	25mS maximum
Input Indication	Green LED
OUTPUT:	
Contact Configuration	DPDT
Contact Rating AC (AC1)	12A resistive @ 120, 240 - UL 508
Contact Rating DC (DC1)	12A resistive @ 30 - UL 508
Contact Rating Horsepower	1/2 @ 120, 1 @ 240
Contact Rating Pilot Duty	A300, 720 VA @ 240 VAC
Minimum Load	12V /100mA
Contact Material	Silver - Nickel 90/10
Contact Resistance	100 milliohms max. @ 1A 12 VDC
Output Indication	Red LED: Blinks = timing, On = energized
GENERAL:	
Life - Electrical Full Load	100,000 Operations
Life - Mechanical No Load	10 million Operations
ENVIRONMENTAL:	
Temperature Range - Storage	- 40 to 85°C
Temperature Range - Operate	- 10 to 55°C

DIMENSIONS
INCHES (MILLIMETERS)



FUNCTION

Function	Operation	Timing Char t
A ON DELAY On	When the input voltage U is applied, timing delay t begins. Relay contacts R change state after time delay is complete. Contacts R return to their shelf state when input voltage U is removed. Trigger switch is not used in this function.	
B. REPEAT CYCLE Starting Off	When input voltage U is applied, time delay t begins. When time delay t is complete, relay contacts R change state for time delay t . This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.	
C. INTERVAL Power On	When input voltage U is applied, relay contacts R change state immediately and timing cycle begins. When time delay is complete, contacts return to shelf state. When input voltage U is removed, contacts will also return to their shelf state. Trigger switch is not used in this function.	
D. OFF DELAY S Break	Input voltage U must be applied continuously. When trigger S is closed, relay contacts R change state. When trigger S is opened, delay t begins. When delay t is complete, contacts R return to their shelf state. If trigger S is closed before time delay t is complete, then time is reset. When trigger S is opened, the delay begins again, and relay contacts remain in their energized state. If input voltage U is removed, relay contacts R return to their shelf state.	
E. RETRIGGERABLE ONE SHOT	Upon application of input voltage U , the relay is ready to accept trigger signal S . Upon application of the trigger signal S , the relay contacts R transfer and the preset time t begins. At the end of the preset time, the relay contacts R return to their normal condition unless the trigger signal S is opened and closed prior to time out t (before preset time elapses). Continuous cycling of the trigger signal S at a rate faster than the preset time will cause the relay contacts R to remain closed. If input voltage U is removed, relay contacts R return to their shelf state.	
F. REPEAT CYCLE Starting On	When input voltage U is applied, relay contacts R change state immediately and time delay t begins. When time delay t is complete, contacts return to their shelf state for time delay t . This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.	
G. PULSE GENERATOR	Upon application of input voltage U , a single output pulse of 0.5 seconds is delivered to relay after time delay t . Power must be removed and reapplied to repeat pulse. Trigger switch S is not used in this function.	
H. ONE SHOT	Upon application of input voltage U , the relay is ready to accept trigger signal S . Upon application of the trigger signal S , the relay contacts R transfer and the preset time t begins. During time-out, the trigger signal S is ignored. The relay resets by applying the trigger signal S when the relay is not energized.	
I. ON/OFF DELAY S Make/Break	Input voltage U must be applied continuously. When trigger S is closed, time delay t begins. When time delay t is complete, relay contacts R change state and remain transferred until trigger S is opened. If input voltage U is removed, relay contacts R return to their shelf state.	
J. MEMORY LATCH S Make	Input voltage U must be applied continuously. Output changes state with every trigger S closure. If input voltage U is removed, relay contacts R return to their shelf state.	

Warning

Device is constructed for connection in 1-phase AC/DC 12- 240 V main alternating current voltage and must be installed according to norms valid in the state of application. Connection according to the details in this direction. Installation, connection, setting and servicing should be installed by qualified electrician staff only, who has learnt these instruction and functions of the device. This device contains protection against overvoltage peaks and disturbances in supply. For correct function of the protection of this device there must be suitable protections of higher degree (A, B, C) installed in front of them. According to standards elimination of disturbances must be ensured. Before installation the main switch must be in position "OFF" and the device should be de-energized. Don't install the device to sources of excessive electro-magnetic interference. By correct installation ensure ideal air circulation so in case of permanent operation and higher ambient temperature the maximal operating temperature of the device is not exceeded. For installation and setting use screw-driver cca 2 mm. The device is fully-electronic - installation should be carried out according to this fact. Non-problematic function depends also on the way of transportation, storing and handling. In case of any signs of destruction, deformation, non-function or missing part, don't install and claim at your seller it is possible to dismount the device after its lifetime, recycle, or store in protective dump.