Features

- Up to 10 Functions:
  5 Timing Functons Controlled via Supply Voltage
  4 Timing Functons Controlled via Triger Input
  1 Timing Functons Controlled of Memory Latching
- Timing Range 0.1 Seconds to 9990 Hours Broad Application Range
- Contact Configuration DPDT
- Tamper Proof Dust Cover Retails Settings / Keeps Dust Out
- Universal Power Supply 12-240VAC/VDC
- Trumb Wheel Adjustment for Function / Timing No mechanical Deviation
- 2 LED Status Indicators Indicate Coil Power / Timing Out / Output State
- RoHs Compliant Environentally Friendly

RS PRO Timer Relays

0360695

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

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Timing

Eunctions	10
Time Bases	10h, th, 0.th 1m 0. tm, 15, 0.15
Time Range	0.1 Second to 9990 Hours
Time Adjustment	Thumbwheels
Timing Deviation (mechanical setting)	None
Timing Repeatability (constant voltage & temperature)	0.10%
Reset Time	150ms
Input Puise 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	maximum 4kV burst/surge IEC61000-4-57-4-4
Reverse Polarity Protection	Not polanty sensitive
Operate Time	25ms maximum
Release Time	25ms maxmum
Input Indication	Green LED

Output

Contact Configuration	DPDT-11pin
Contact Rating AC (AC1)	12A resistive 120, 240 Vms- UL 508
Contact Rating DC (001)	12A resistive 30 Vdc-UL 508
Contact Rating Horsepower	1/2 120Vrms, 1 240 Vims
Contact Rating Pilot Duty	8300, 720 VA 240 Vims
Minimum Load	12V/100mA
Contact Material	Silver Nickel 90/10
Contact Resistance	100 m max 1A/12 Vdc
Output Indication	Red LED Blinks timing. On energized

General

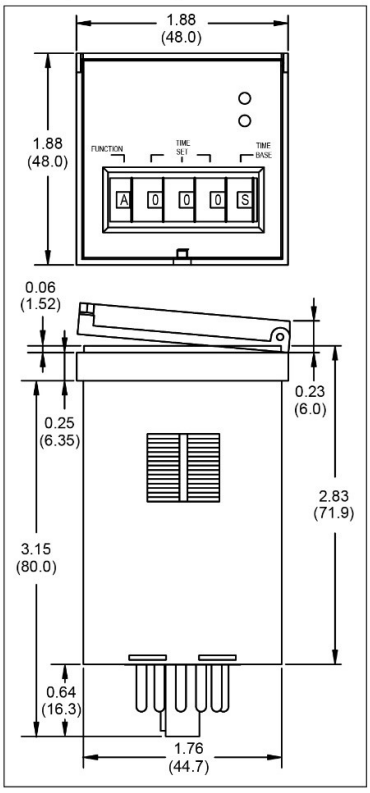
Life Electrical Rated Load	100.000 Operations
Life - Mechanical No Load	10 million Operations

Environmental

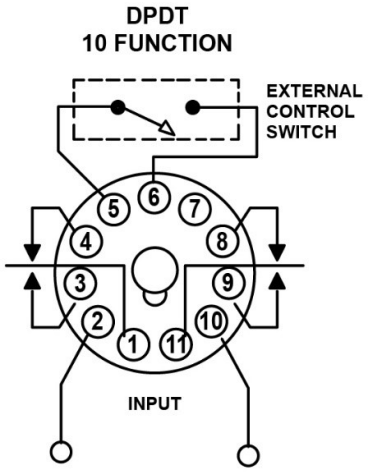
Temperature Range - Storage	-40 to 85°C
Temperature Range-Operate	-10 to 55°C

Dimensions

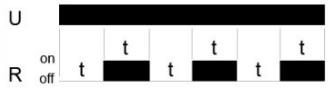
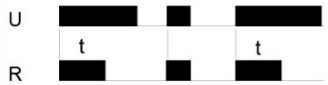
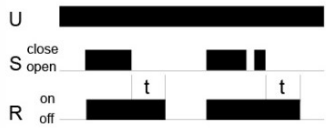
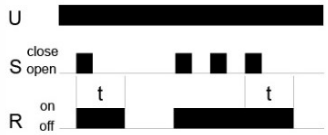
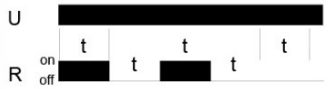
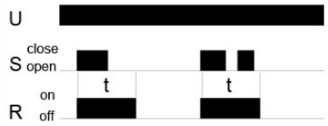
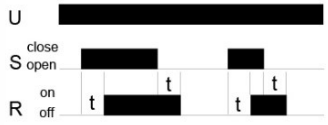
DIMENSIONS
INCHES (MILLIMETERS)



Connection



Function

Function	Operation	Timing Chart
A. ON DELAY Power 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 switch S is closed, relay contacts R change state. When trigger switch S is opened, delay t begins. When delay t is complete, contacts R return to their shelf state. If trigger switch S is closed before time delay t is complete, then time is reset. When trigger switch S is opened, the delay begins again, and relay contacts R 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 t, the relay contacts R return to their normal condition unless the trigger switch S is opened and closed prior to time out t (before preset time elapses). Continuous cycling of the trigger switch 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 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 switch S when the relay is not energized.	
I. ON/OFF DELAY S Make/Break	Input voltage U must be applied continuously. When trigger switch S is closed, time delay t begins. When time delay t is complete, relay contacts R change state and remain transferred until trigger switch 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 switch S closure. If input voltage U is removed, relay contacts R return to their shelf state.