

Features

- Setting the time range knob regulator in the: ON - position with power supply activated results in the permanent closure of the contact in position 3-7 (UNI) and 11-12 (DUO). OFF - position (power supply activated) causes the contact to be permanently closed in the position 3-5 (UNI) and 11-10 (DUO).
- With the power supply on, the system does not respond to the modification of time range and operation mode.
- The newly set time range and operation mode values are active after the power supply is turned off and on or after the RESET voltage is supplied.
- With the power supply on, it is possible to regulate the preset time freely within the selected time range.
- If the function is changed into F, G, H, I, or J, one with the power supply on, and the START voltage is supplied, the system will carry out the previous function and then reset (switch into the newly selected function). A further instance of the START voltage supply will result in executing the new function.

RS PRO Timer Relays

RS Stock No.: 0323891



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

Timing relays are devised to time the control of industrial and domestic automatic control engineering systems (e.g. ventilation, heating, lighting, signalling, etc.).

10 functions with START and RESET control input.

General Specifications

Switch Configuration	DPST
Mode of Operation	One-shot, Interval
Contact Configuration	2NO/NC;
Number of Timer Functions	10; Multi Function;
Number of Contacts	2
Time Range	0,1 s ÷ 576Hrs, Min, Secs
Time Increment	10; 300; D:H: M:S; Days; Hour
Time Delay	50ms
Reset Time	100ms
Setting Error	±5% FS ±50ms max.
Accuracy	± 1% of maximum full scale
Adjustment Accuracy	< 5% of maximum full scale
Repeat Accuracy	± 0.5% at constant conditions
Power on indication / Timing	Green LED
Relay Status	Red LED
Housing	Grey flame retardant

Timing Ranges (7):		
Seconds	Minutes	Hours
0,1÷1,2 s	1÷12 min	2÷24h
1÷12 s	10÷120 min	1÷12d
10÷120 s		2÷24d

Electrical Specifications

Power Supply	External; Universal
Supply Voltage	230VAC; 24VAC/DC or 230VAC
Minimum Voltage	24VAC/DC
Maximum Voltage	230VAC
Current Maximum	2 * 8A
Current Minimum	1A
Frequency Range	48Hz to 63Hz (AC supplies)
Relay Output	2 Relays: 250V AC, 8A (for resistive load), NO and NC control output
Terminal Type	Screw
Terminal Conductor Size	≤ 2 x 2.5mm ² solid or stranded
Contact Material	Ag CuNi; Cadmium
Supply Variation	+/- 15%
Overvoltage category	III (IEC 60664)
Rated Impulse Withstand Voltage	4kV (1.2/50μs)
Dielectric Voltage	2kV AC (rms)
Drift with Voltage	±0.2%/V
Electrical Life	≥150,000 ops at rated load

Power Consumption (Maximum):				
Voltage	12V	24V	110V	230V
AC				0,8W
DC				

Mechanical Specifications

Mounting Type	DIN-Rail
Depth	70mm
Width	90mm
Length	18mm
Minimum Panel Thickness	3.5mm
Weight	70g

Operation Environment Specifications

Maximum Operating Temperature	70°C
Minimum Operating Temperature	-25 °C

Ambient Temperature	-25 to 50°C
Drift with temperature	± 0.05% / °C
Relative Humidity	+95%

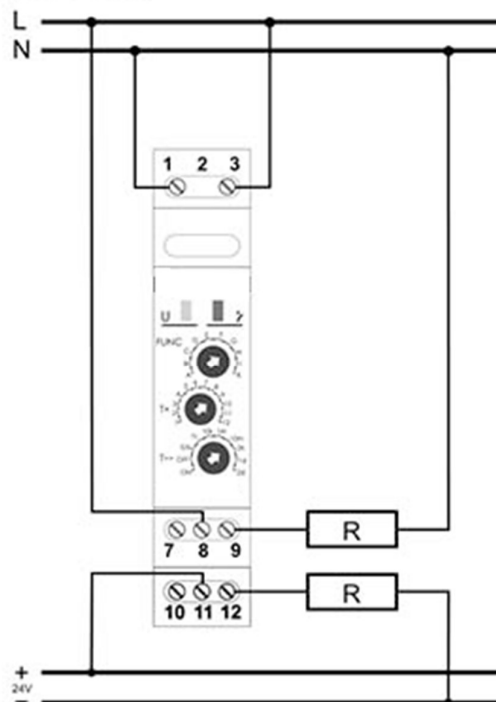
Protection Category

IP Rating	IP20;
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Approvals

Compliance/Certifications	CE / UL94 / C-tick certified
Standards Met	EN61812-1 and IEC60664-1 (VDE0110) 4kV/2; EN60947-5-1
Declarations	

WIRING DIAGRAM



An example of the power supply system by 230V of relay which control the receiver powered by 230V and 24 V

INPUT/OUTPUT description

