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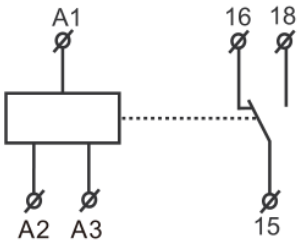
RT8-EC Dual-Function Timer Relay

NewTrend RT8-EC offers selectable on-delay and power-on timed-interval operation with a 0.1-second to 10-day timing range. The interval mode is marked Delay off on the panel: its output operates when power is applied and releases when the selected time expires. A 10A AC-1 SPDT output, status LEDs and an 18mm DIN-rail housing suit compact control panels.

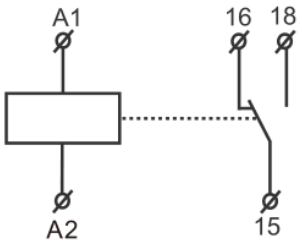
Parameter	Specification
Model	RT8-EC
Output contacts	1 SPDT
AC power input	AC maximum 6VA / 1.3W
Weight	52g
Function	On-delay; power-on timed interval (panel setting: Delay off)
Supply terminals	A1-A2: AC 230V or AC 380V; A1-A3: AC/DC 24V on the AC 230V / 24V version
Control supply options	AC 230V / AC/DC 24V version; AC 380V version
Supply tolerance	-15% to +10%
Supply indication	Green LED
Time setting	Range/function switches and potentiometer
Marked time ranges	0.1-1s; 1-10s; 0.1-1min; 1-10min; 0.1-1h; 1-10h; 0.1-1day; 1-10days
Timing range	0.1s-10days
Time setting deviation	10% with mechanical adjustment
Repeat accuracy	0.2% of set value
Temperature coefficient	0.05%/degree C at 20 degrees C
Contact rating	10A (AC-1)
Switching voltage	250VAC / 24VDC
Minimum DC breaking power	500mW
Output indication	Red LED
Mechanical life	10,000,000 operations
Electrical life (AC-1)	100,000 operations
Reset time	Maximum 200ms
Operating temperature	-20 to +55 degrees C
Storage temperature	-35 to +75 degrees C
Mounting	DIN rail to EN/IEC 60715
Protection	IP40 front panel; IP20 terminals
Operating position	Any
Overvoltage category	III
Pollution degree	2
Maximum conductor size	Solid: 1 x 2.5mm2 or 2 x 1.5mm2; with sleeve: 1 x 2.5mm2 (AWG 12)
Body dimensions	90 x 18 x 64mm
Referenced standards	EN 61812-1; IEC 60947-5-1

Connections and operation

AC 230V or AC/DC 24V



AC 380V



On-delay



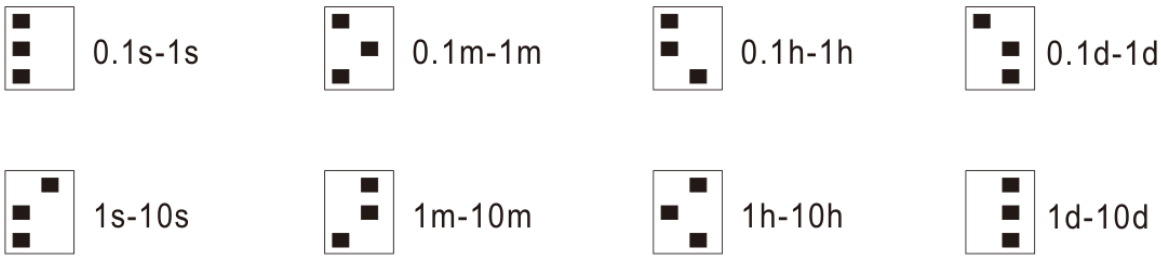
Timed interval (panel: Delay off)



On-delay: applying the supply starts the timer; the output operates after the selected interval and releases when power is removed.

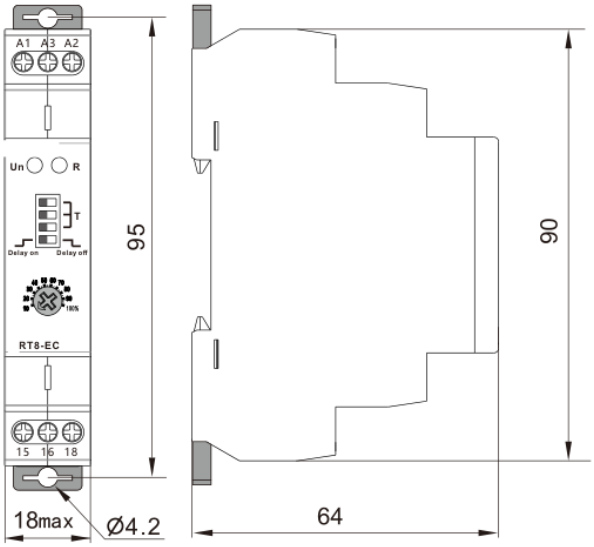
Delay off panel setting: the output operates immediately at power-on and releases after the selected interval. Removing power resets the output.

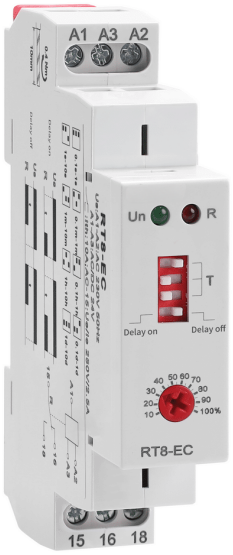
Timing range settings



Choose the supply version before wiring. On the AC 230V / AC/DC 24V version, use A1-A2 for AC 230V or A1-A3 for AC/DC 24V. The AC 380V version uses A1-A2. Apply only one appropriate supply connection. The panel setting Delay off is a power-on interval, not a stored-energy delay after power loss.

Dimensions and adjustment





Body: 90 x 18 x 64mm. Overall height: 95mm. Fixing holes: 4.2mm.

AC 230V / 24V version shown. The AC 380V version uses the separate supply connection diagram.

Installation

Installation and wiring must be performed by qualified electricians in accordance with applicable safety standards. Isolate the circuit before wiring and use the appropriate electrical-waste collection route.