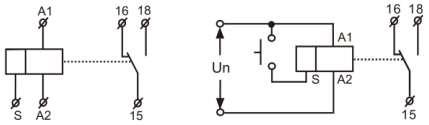
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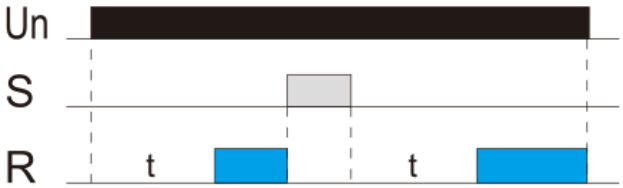
RT6-A1 On-Delay Timer Relay

NewTrend RT6-A1 provides an adjustable on-delay for control circuits. Applying the supply starts timing, and the output changes state after the selected interval; the S-input/reset response is shown in the timing diagram. A 0.1-second to 10-day range, ON/OFF settings and one SPDT contact rated 10A AC-1 are housed in an 18mm DIN-rail module.

Parameter	Specification
Model	RT6-A1
Output contacts	1 SPDT
A230 power input	AC maximum 6VA / 1.3W
Weight	S240: 61g; A230: 61g
Function	On-delay
Supply terminals	A1-A2
Control supply options	S240: AC/DC 24-240V; A230: AC 230V; 50-60Hz
Supply tolerance	-15% to +10%
S240 burden	AC 0.09-3VA / DC 0.05-1.7W
Supply indication	Green LED
Time setting	Range selector and 10%-100% potentiometer
Adjustment range	0.1s-10days; ON; OFF
Marked time ranges	1s, 10s, 1min, 10min, 1h, 10h, 1day, 10days; ON and OFF positions
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)
Terminal tightening torque	0.4Nm
Body dimensions	90 x 18 x 64mm
Referenced standards	EN 61812-1; IEC 60947-5-1

Connections and operation

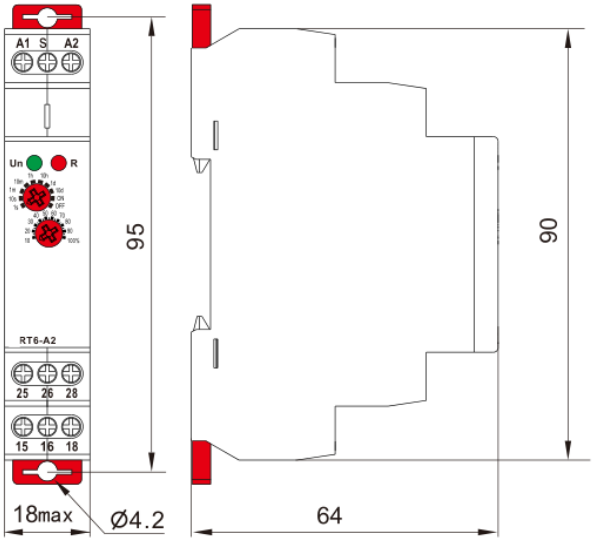


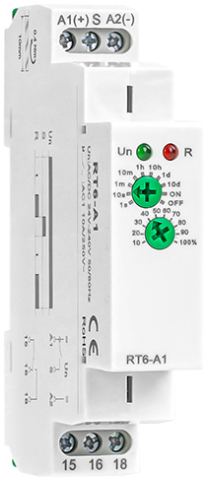


Applying the supply starts timing; the output operates after t.

The S-input/reset sequence is shown in the timing diagram. Removing supply resets the output.

Dimensions and adjustment





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

Common housing dimensions; RT6-A2 front view shown.

Delay time equals the selected range multiplied by the 10%-100% fine adjustment. ON and OFF provide permanent output states. Use the correct supply and S-input connections.

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.