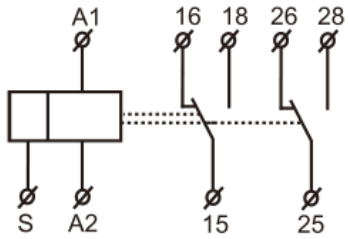
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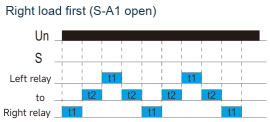
RT6-RL Alternating-Load Timer Relay

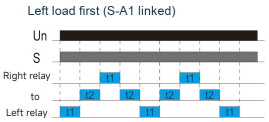
NewTrend RT6-RL alternates two loads using a common operating interval t1 and a separately adjustable pause interval t2. The right load starts first with S-A1 open; linking S-A1 selects the left load first. Two SPDT outputs operate the separate load-control circuits in an 18mm DIN-rail housing.

Parameter	Specification
Model	RT6-RL
Output contacts	2 SPDT
A230 power input	AC maximum 6VA / 1.9W
Weight	S240: 67g; A230: 70g
Function	Alternating two-load operation with a pause interval
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 0.7-3VA / DC 0.5-1.7W
Supply indication	Green LED
Time setting	Independent t1/t2 range selectors and 10%-100% potentiometers
Timing scales	0.1s-100days; independent t1 and t2
Marked time ranges	1s, 10s, 1min, 10min, 1h, 10h, 1day, 10days, 30days, 100days
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



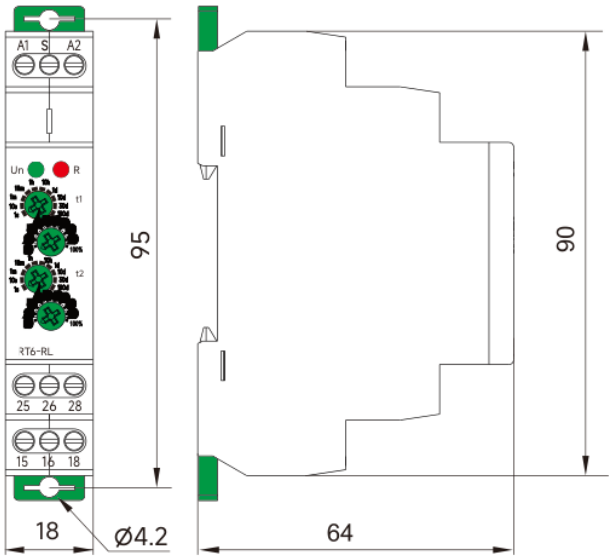


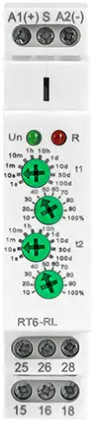


With S-A1 open, the right output operates for t1; after the pause t2, the left output operates for the same t1 interval. The sequence then continues alternately.

Connecting S-A1 reverses which load starts first. Refer to the load-contactor reference circuit for the terminal arrangement.

Dimensions and adjustment





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

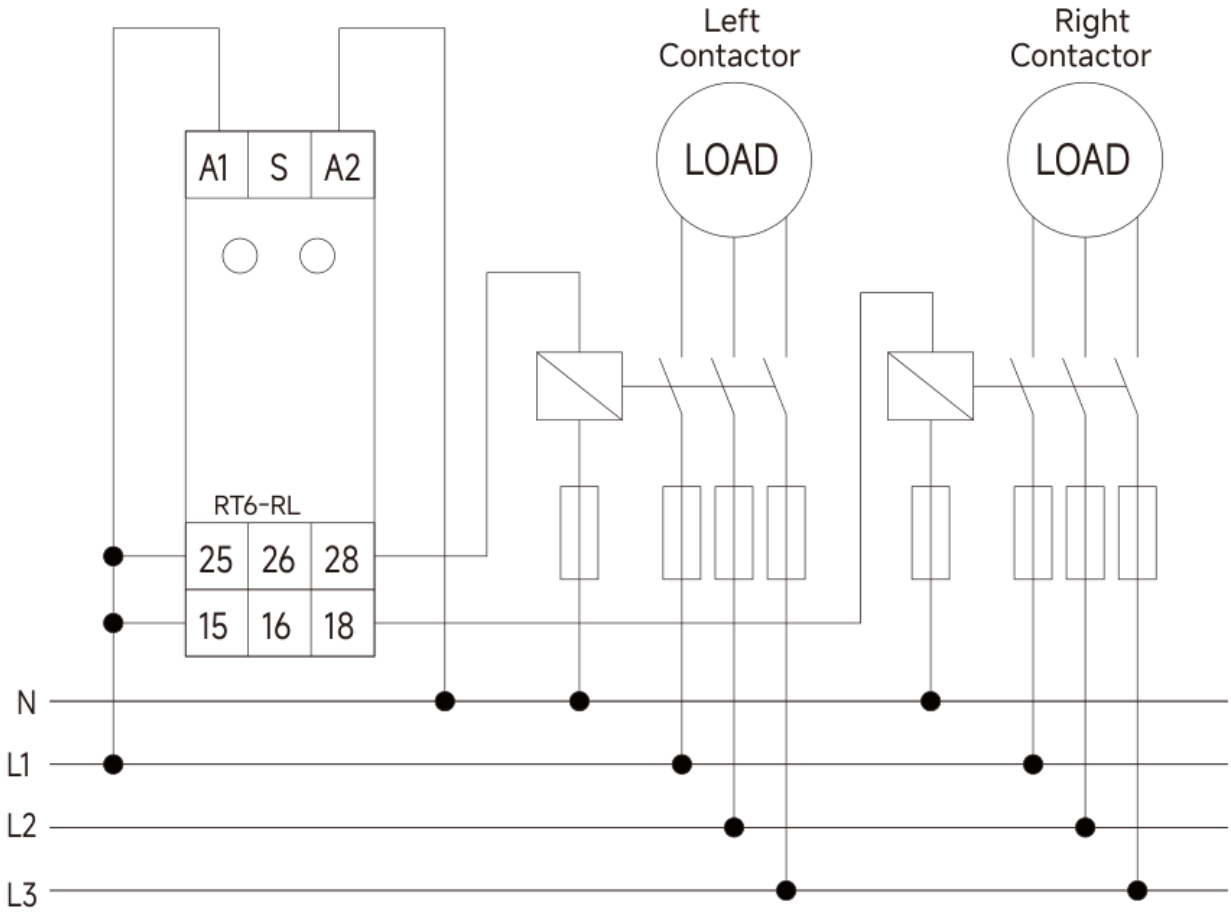
RT6-RL housing dimensions.

Set the common load operating interval t1 and the pause interval t2. Choose the first load with the S-A1 connection. Use appropriate contactors and interlocking for the controlled equipment. Each interval equals its selected range multiplied by its 10%-100% fine adjustment.

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.

Two-load contactor reference circuit



Reference contactor-control circuit. Select contactors, protection, wiring and interlocking to suit the controlled loads.