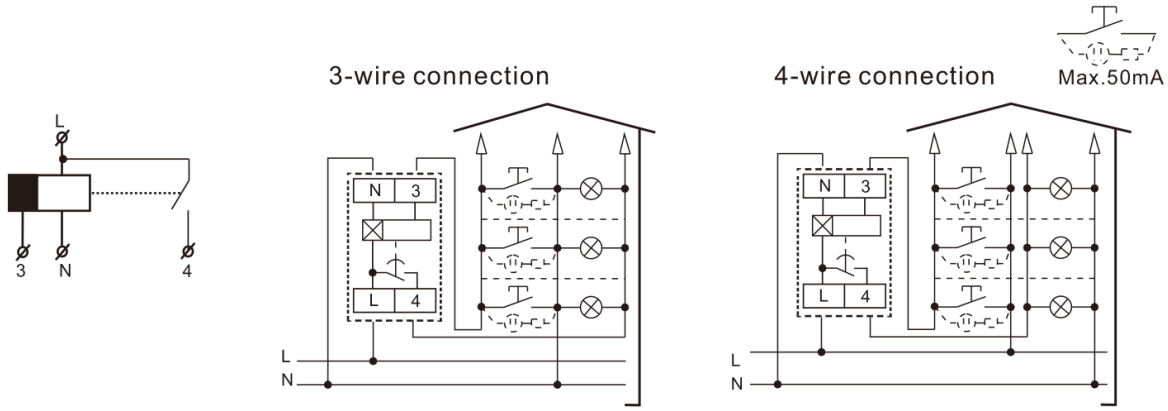
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RT8-LS Staircase Lighting Timer Switch

NewTrend RT8-LS controls delayed lighting in stairways, corridors, entrances and halls. Its adjustable 0.5-20 minute interval and 16A AC-1 normally open output suit compact lighting-control panels. The front switch selects permanent ON, timed AUTO operation or permanent OFF. The 18mm housing mounts on a DIN rail and uses an AC 230V supply.

Parameter	Specification
Model	RT8-LS
Output contacts	1 SPST (NO)
Function	ON / AUTO timing / OFF
Control supply	AC 230V, 50-60Hz
Supply terminals	L-N
Power input	AC maximum 6VA / 1.3W
Time setting	Potentiometer, 0.5-20 minutes
Minimum power-on time	200ms
Illuminated pushbuttons	N-3 or L-3; maximum 50mA
Glow-lamp reference	Maximum 75 lamps at 230V, tested with 0.68mA/230VAC glow lamps
Weight	61g
Supply tolerance	-15% to +10%
Supply indication	Green LED
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	16A, 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	0.8Nm
Body dimensions	90 x 18 x 64mm
Referenced standards	EN 61812-1; IEC 60669-2-3; IEC 60947-5-1
Incandescent lamps	2000W
Halogen lamps	2000W
Fluorescent lamps	1000W
Parallel-corrected fluorescent lamps	900W, 125uF
Compact fluorescent lamps	400W
LED lamps	300W

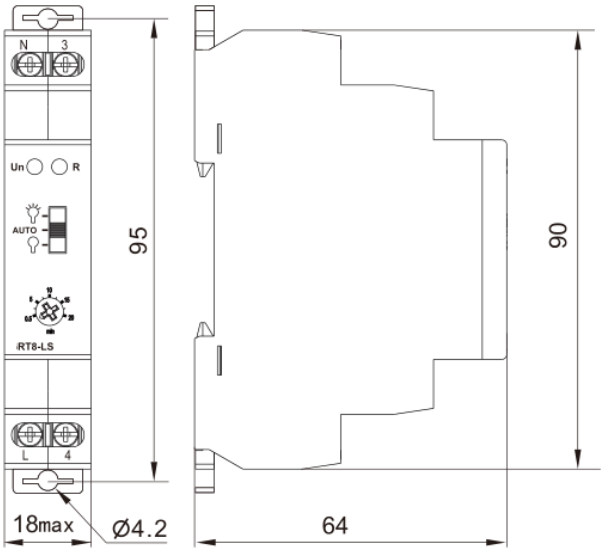
Connections and operation



The AUTO timing chart shows control-input response; ON and OFF force the corresponding output state.

Use the connection diagram that matches the installation wiring. Illuminated pushbuttons are supported within the stated current and quantity limits.

Dimensions and adjustment





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

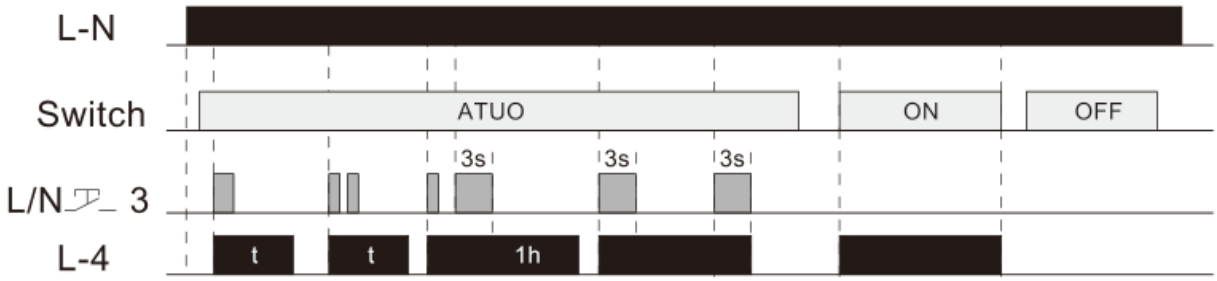
RT8-LS housing dimensions.

Set the front selector to ON for permanent output, AUTO for timed operation, or OFF for permanent release. In AUTO, set the required 0.5-20 minute interval using the potentiometer.

Installation

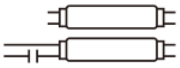
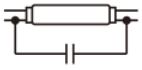
Installation and wiring must be performed by qualified electricians in accordance with applicable safety standards. Isolate the circuit before wiring and use the appropriate electrical-waste collection route.

AUTO timing and ON/OFF operation



L-N: supply. Terminal 3: control input. L-4: switched output. Follow the applicable 3-wire or 4-wire connection diagram.

Lamp-load reference limits

					
2000W	2000W	1000W	900W(125uF)	400W	300W

Lamp-load limits depend on lamp technology and inrush current; do not substitute the general AC-1 current rating for these limits.