

dual function relay, Harmony Timer Relays, 8A, 1CO, 1s..100h, asymmetrical flashing, 24V DC or 24...240V AC DC

RE17RLMU

Main

| Range of product | Harmony Timer Relays |
|---------------------------|--|
| Discrete output type | Relay |
| Product or component type | Modular timing relay |
| Width | 17.5 mm |
| Device short name | RE17R |
| Time delay type | Asymmetrical flashing |
| Time delay range | 110 h 110 s 0.11 s 660 min 110 min 10100 h 660 s |
| nominal output current | 8 Δ |

Complementary

| Contacts type and composition | 1 C/O | |
|--------------------------------|---|--|
| Contacts material | Cadmium free | |
| Height | 90 mm | |
| Depth | 72 mm | |
| Control type | Selector switch front panel | |
| [Us] rated supply voltage | 24240 V AC 50/60 Hz 24 V DC | |
| Voltage range | 0.851.1 Us | |
| Supply frequency | 5060 Hz +/- 5 % | |
| release of input voltage | 10 V | |
| Connections - terminals | Screw terminals, $1 \times 0.51 \times 3.3 \text{ mm}^2$ (AWG 20AWG 12) solid without cable end Screw terminals, $2 \times 0.52 \times 2.5 \text{ mm}^2$ (AWG 20AWG 14) solid without cable end Screw terminals, $1 \times 0.21 \times 2.5 \text{ mm}^2$ (AWG 24AWG 14) flexible with cable end Screw terminals, $2 \times 0.22 \times 1.5 \text{ mm}^2$ (AWG 24AWG 16) flexible with cable end | |
| Tightening torque | 0.61 N.m conforming to IEC 60947-1 | |
| Housing material | Self-extinguishing | |
| Repeat accuracy | +/- 0.5 % conforming to IEC 61812-1 | |
| Temperature drift | +/- 0.05 %/°C | |
| Voltage drift | +/- 0.2 %/V | |
| Setting accuracy of time delay | +/- 10 % of full scale at 25 °C conforming to IEC 61812-1 | |

| Time delay type | Asymmetrical flashing - L- Asymmetrical flashing relay (starting pulse-off) Asymmetrical flashing - Li- Asymmetrical flashing relay (starting pulse-on) |
|--|---|
| control signal pulse width | 100 ms with load in parallel typical 30 ms typical |
| Insulation resistance | 100 MOhm at 500 V DC conforming to IEC 60664-1 |
| Reset time | 120 ms on de-energisation typical |
| On-load factor | 100 % |
| Power consumption in VA | 032 VA at 240 V AC |
| Maximum power consumption in W | 0.6 W at 24 V DC |
| Minimum switching current | 10 mA at 5 V DC |
| Maximum switching current | 8 A AC/DC |
| Maximum switching voltage | 250 V AC |
| breaking capacity | 2000 VA |
| operating frequency | 10 Hz |
| Electrical durability | 100000 cycles (8 A at 250 V AC maximum) for resistive load |
| Mechanical durability | 10000000 cycles |
| Dielectric strength | 2.5 kV 1 mA/1 minute 50 Hz conforming to IEC 61812-1 |
| [Uimp] rated impulse withstand voltage | 5 kV during 1.2/50 μs |
| power on delay | 100 ms |
| Marking | CE |
| Creepage distance | 4 kV/3 conforming to IEC 60664-1 |
| Safety reliability data | MTTFd = 296.8 years B10d = 270000 |
| Mounting position | Any position in relation to normal vertical mounting plane |
| Mounting support | 35 mm DIN rail conforming to IEC 60715 |
| Local signalling | LED indicator for on steady: relay energised, no timing in progress LED indicator for flashing: timing in progress 80 % ON and 20 % OFF |
| Function available | L- Asymmetrical flashing relay (starting pulse-off)-1 C/O Li- Asymmetrical flashing relay (starting pulse-on)-1 C/O |
| Product weight | 0.07 kg |
| Control type | Without test button |
| Number of functions | 2 |
| Time delay type | L, Li |
| Functionality | Asymmetrical flashing timer |
| Compatibility code | |

Environment

| Immunity to microbreaks | 20 ms |
|-------------------------|---------------|
| Standards | 2006/95/EC |
| | IEC 61000-6-2 |
| | IEC 61000-6-4 |
| | 2004/108/EC |
| | IEC 61812-1 |
| | IEC 61000-6-3 |
| | IEC 61000-6-1 |

| Product certifications | 01 |
|---------------------------------------|---|
| Product certifications | GL |
| | cULus |
| | CSA |
| Ambient air temperature for storage | -3060 °C |
| Ambient air temperature for operation | -2060 °C |
| IP degree of protection | IP20 (terminal block) conforming to IEC 60529 |
| | IP40 (housing) conforming to IEC 60529 |
| | IP50 (front panel) conforming to IEC 60529 |
| Vibration resistance | 20 m/s² (f= 10150 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 15 gn for 11 ms conforming to IEC 60068-2-27 |
| Relative humidity | 93 % without condensation conforming to IEC 60068-2-30 |
| Electromagnetic compatibility | Electrostatic discharge immunity test: (in contact), level 3, 6 kV, conforming to IEC 61000-4-2 |
| | Electrostatic discharge immunity test: (in air), level 3, 8 kV, conforming to IEC |
| | 61000-4-2 |
| | Susceptibility to electromagnetic fields: (80 MHz to 1 GHz), level 3, 10 V/m, conforming to IEC 61000-4-3 |
| | Electrical fast transient/burst immunity test: (capacitive connecting clip), level 3, 1 kV, conforming to IEC 61000-4-4 |
| | Electrical fast transient/burst immunity test: (direct), level 3, 2 kV, conforming to IEC 61000-4-4 |
| | 1.2/50 µs shock waves immunity test: (differential mode), level 3, 1 kV, conforming to IEC 61000-4-5 |
| | 1.2/50 µs shock waves immunity test: (common mode), level 3, 2 kV, conforming to IEC 61000-4-5 |
| | Conducted RF disturbances: (0.1580 MHz), level 3, 10 V, conforming to IEC 61000-4-6 |
| | Voltage dips and interruptions immunity test: (1 cycle), 0 %, conforming to IEC 61000-4-11 |
| | Voltage dips and interruptions immunity test: (25/30 cycles), 70 %, conforming to IEC 61000-4-11 |
| | Conducted and radiated emissions: , class B, conforming to EN 55022 |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|---------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.8 cm |
| Package 1 Width | 7.8 cm |
| Package 1 Length | 9.6 cm |
| Package 1 Weight | 81.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 3.68 kg |



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

| ☑ Environmental footprint | |
|----------------------------------|-------------------------------|
| Total lifecycle Carbon footprint | 55 |
| Environmental Disclosure | Product Environmental Profile |

Use Better

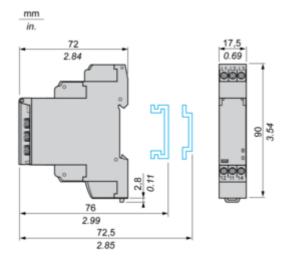
| Packaging made with recycled cardboard | Yes |
|--|---|
| Packaging without single use plastic | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| SCIP Number | 7bdc2711-0ad2-427c-8ece-532c5e9f09d7 |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Use Again

| ○ Repack and remanufacture | |
|---------------------------------|-------------------------|
| End of life manual availability | End of Life Information |
| Take-back | No |

Dimensions Drawings

Width 17.5 mm

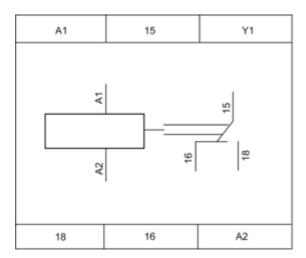


Product data sheet

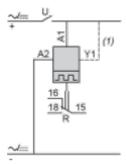
RE17RLMU

Connections and Schema

Internal Wiring Diagram



Wiring Diagram



1 Link A1-Y1 for function L only

Product data sheet

RE17RLMU

Technical Description

Function L : Asymmetrical Flasher Relay (Starting Pulse Off)

Description

Repetitive cycle comprises of two, independently adjustable timing periods Ta and Tr. Each timing period corresponds to a different state of the output R.

Function: 1 Output



Function Li: Asymmetrical Flasher Relay (Starting Pulse On)

Description

Repetitive cycle comprises of two, independently adjustable timing periods Ta and Tr. Each timing period corresponds to a different state of the output R.

Function: 1 Output



Legend

| Relay de-energised Relay energised Output open | |
|--|--|
| С | Output closed Control contact |
| G | Gate |
| R | Relay or solid state output |
| R1/R2 | 2 timed outputs |
| R2 inst. | The second output is instantaneous if the right position is selected |
| Т | Timing period |
| Та - | Adjustable On-delay |
| Tr - | Adjustable Off-delay |
| U | Supply |

Technical Illustration

Dimensions

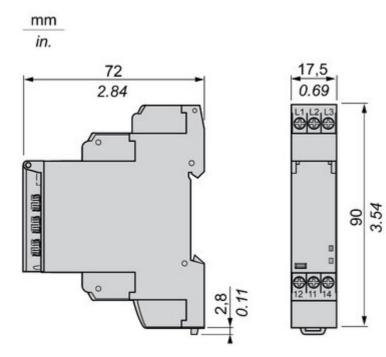


Image of product / Alternate images

Alternative













Image of product in real life situation

