

Product data sheet

Specifications



modular timing relay, Harmony
Timer Relays, 0.7A, 1CO, 0,1s..
100h, on delay, solid state output,
24..240V AC DC

RE17LAMW

Main

| | |
|---------------------------|---|
| Range of product | Harmony Timer Relays |
| Discrete output type | Solid state |
| Width | 17.5 mm |
| Product or component type | Modular timing relay |
| Component name | RE17L |
| Time delay range | 1...10 s 10...100 h 6...60 s 0.1...1 s 1...10 min 6...60 min 1...10 h |
| nominal output current | 0.7 A |

Complementary

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|---|--|
| Height | 90 mm |
| Depth | 72 mm |
| Control type | Selector switch front panel |
| [Us] rated supply voltage | 24...240 V AC/DC 50/60 Hz |
| Voltage range | 0.85...1.1 Us |
| Supply frequency | 50...60 Hz +/- 5 % |
| control signal pulse width | 0.05 s typical |
| Insulation resistance | 100 MOhm at 500 V DC conforming to IEC 60664-1 |
| [Uiimp] rated impulse withstand voltage | 5 kV during 1.2/50 μ s |
| power on delay | 100 ms |
| Connections - terminals | Screw terminals, 1 x 0.5...1 x 3.3 mm ² (AWG 20...AWG 12) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm ² (AWG 20...AWG 14) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm ² (AWG 24...AWG 14) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm ² (AWG 24...AWG 16) flexible with cable end |
| Tightening torque | 0.6...1 N.m conforming to IEC 60947-1 |
| Dielectric strength | 2.5 kV 1 mA/1 minute 50 Hz conforming to IEC 61812-1 |
| Housing material | Self-extinguishing |
| Repeat accuracy | +/- 0.5 % conforming to IEC 61812-1 |
| Temperature drift | +/- 0.05 %/°C |
| Voltage drift | +/- 0.2 %/V |

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|---------------------------------------|--|
| Setting accuracy of time delay | +/- 10 % of full scale at 25 °C conforming to IEC 61812-1 |
| Time delay type | Power on-delay - A- Power on-delay relay |
| Reset time | 350 ms on de-energisation typical |
| On-load factor | 100 % |
| Power consumption in VA | 0...3 VA at 240 V AC |
| Maximum power consumption in W | 1.5 W at 240 V DC |
| Breaking capacity | 0.5 A AC/DC conforming to UL 0.7 A AC/DC at 20 °C |
| operating frequency | 10 Hz |
| Maximum output current | 20 A |
| minimum switching current | 10 mA |
| Maximum leakage current | 5 mA |
| Maximum switching voltage | 250 V AC/DC |
| Maximum voltage drop | <4 V 3-wire <8 V 2-wire |
| Electrical durability | 100000000 cycles |
| Marking | CE |
| Creepage distance | 4 kV/3 conforming to IEC 60664-1 |
| Safety reliability data | MTTFd = 353.8 years B10d = 320000 |
| Mounting position | Any position in relation to normal vertical mounting plane |
| Mounting support | 35 mm DIN rail conforming to IEC 60715 |
| Function available | A- Power on-delay relay-1 solid state output |
| Control type | Without test button |
| Product weight | 0.068 kg |
| Time delay type | A |
| Functionality | On-delay timing |
| Number of functions | 1 |
| Compatibility code | RE17 |

Environment

| | |
|--|--|
| Immunity to microbreaks | 20 ms |
| Derating factor | 5 mA/°C |
| Standards | 2004/108/EC IEC 61000-6-1 2006/95/EC IEC 61000-6-3 IEC 61000-6-2 IEC 61812-1 IEC 61000-6-4 |
| Product certifications | GL CSA cULus |
| Ambient air temperature for storage | -30...60 °C |
| Ambient air temperature for operation | -20...60 °C |

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|--------------------------------------|--|
| 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/s ² (f= 10...150 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: (0.15...80 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 | 2.600 cm |
| Package 1 Width | 7.800 cm |
| Package 1 Length | 9.500 cm |
| Package 1 Weight | 70.000 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 3.270 kg |



Environmental Data

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 **73**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

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

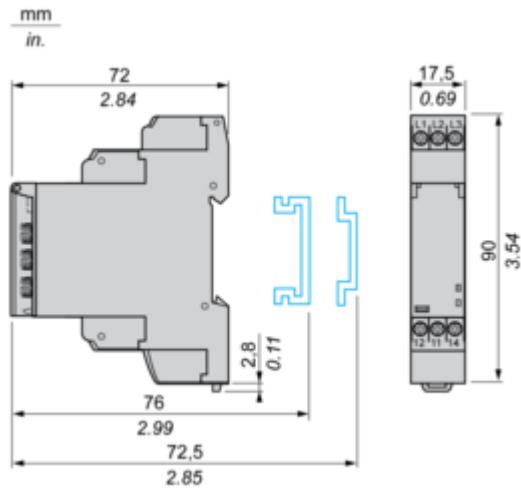
Repack and remanufacture

End of life manual availability [End of Life Information](#)

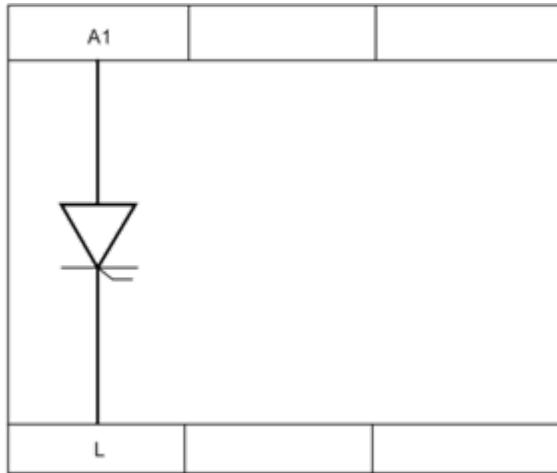
Take-back **No**

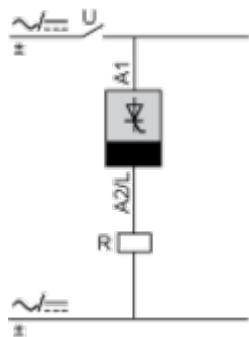
Dimensions Drawings

Width 17.5 mm



Connections and Schema

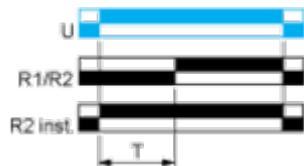
Internal Wiring Diagram

Wiring Diagram

Technical Description

Function A : Power on Delay Relay**Description**

The timing period T begins on energisation. After timing, the output(s) R close(s). The second output can be either timed or instantaneous.

Function: 1 Output**Function: 2 Outputs**

2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Legend

-  Relay de-energised
-  Relay energised
-  Output open
-  Output closed

| | |
|------------------|--|
| C | 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 |
| T | Timing period |
| T _a - | Adjustable On-delay |
| T _r - | Adjustable Off-delay |
| U | Supply |

Technical Illustration

Dimensions

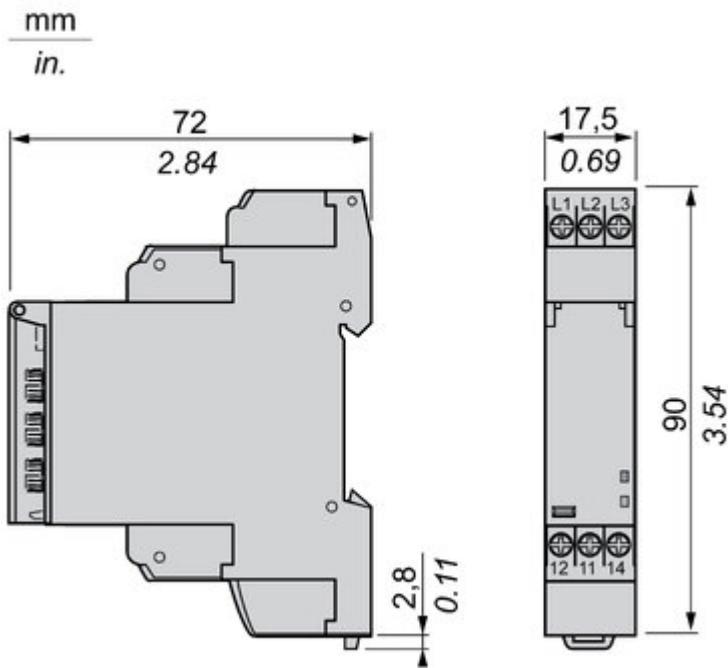
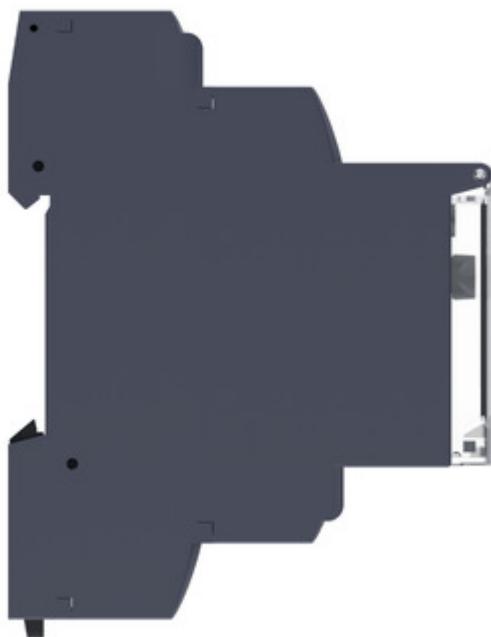


Image of product / Alternate images

Alternative





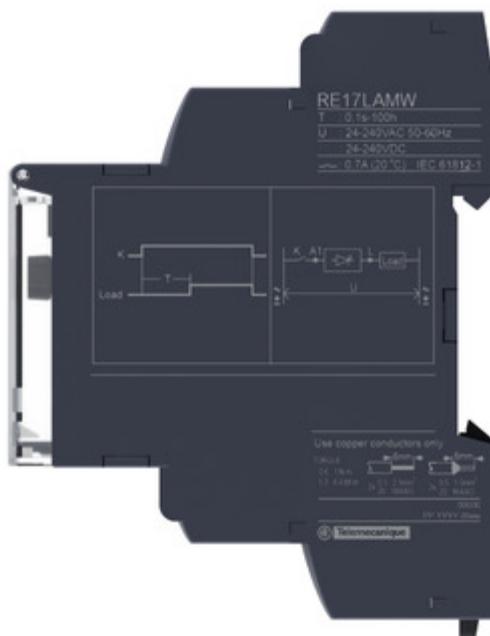


Image of product in real life situation

