# RE17RLJU

Harmony, Modular timing relay, 8 A, 1 CO, 0,1 s..100 h, asymmetrical flashing, 12 V AC/DC





## Main

Range of Product	Harmony Timer Relays
Product or Component Type	Dual function relay
Discrete output type	Relay
Width	0.69 in (17.5 mm)
Device short name	RE17R
Time delay type	Asymmetrical flashing
Time delay range	660 min 110 h 660 s 110 s 10100 h 0.11 s 110 min
Nominal output current	8 A

#### Complementary

Complementary		
Contacts type and composition	1 C/O	
Contacts material	Cadmium free	
Height	3.54 in (90 mm)	
Depth	2.83 in (72 mm)	
Control type	Selector switch front panel	
[Us] rated supply voltage	12 V AC/DC 50/60 Hz	
Voltage range	0.91.2 Us	
Supply frequency	5060 Hz +/- 5 %	
Release of input voltage	5 V	
Connections - terminals	Screw terminals, 1 x 0.51 x 3.3 mm² AWG 20AWG 12) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.21 x 2.5 mm² AWG 24AWG 14) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end	
Tightening torque	5.318.85 lbf.in (0.61 N.m) IEC 60947-1	
Housing material	Self-extinguishing	
Repeat accuracy	+/- 0.5 % IEC 61812-1	
Temperature Drift	+/- 0.05 %/°C	
Voltage drift	+/- 0.2 %/V	
Setting accuracy of time delay	+/- 10 % of full scale 25 °C IEC 61812-1	
Control signal pulse width	100 ms with load in parallel typical 30 ms typical	
Insulation resistance	100 MOhm 500 V DC IEC 60664-1	
Reset time	120 ms on de-energisation typical	
On-load factor	100 %	
Power consumption in VA	00.7 VA 12 V AC	
Maximum power consumption in W	0.5 W 12 V DC	
Minimum switching current	10 mA 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 resistive 8 A 250 V AC	
Mechanical durability	10000000 cycles	
Dielectric strength	2.5 kV 1 mA/1 minute 50 Hz IEC 61812-1	
[Uimp] rated impulse withstand voltage	5 kV 1.2/50 μs	
Power on delay	100 ms	
Marking	CE	
Creepage distance	4 kV/3 IEC 60664-1	
Safety reliability data	B10d = 270000 MTTFd = 296.8 years	
Mounting position	Any position in relation to normal vertical mounting plane	
Mounting support	35 mm DIN rail conforming to EN/IEC 60715	
Local signalling	LED indicator on steady: relay energised, no timing in progress LED indicator 80 % ON and 20 % OFF flashing: timing in progress	
Net Weight	0.15 lb(US) (0.07 kg)	
Time delay type	L, Li	
Functionality	Asymmetrical flashing timer	
Compatibility code	RE17	

## Environment

Environment	
Immunity to microbreaks	20 ms
Standards	2006/95/EC 2004/108/EC EN 61000-6-4 IEC 61812-1 EN 61000-6-3 EN 61000-6-2 EN 61000-6-1
Product Certifications	CSA CULus GL
Ambient Air Temperature for Storage	-22140 °F (-3060 °C)
Ambient Air Temperature for Operation	-4140 °F (-2060 °C)
IP degree of protection	IP20 IEC 60529 terminal block) IP40 IEC 60529 housing) IP50 IEC 60529 front panel)
Vibration resistance	20 m/s² 10150 Hz)IEC 60068-2-6
Shock resistance	15 gn 11 ms IEC 60068-2-27
Relative Humidity	93 % without condensation IEC 60068-2-30
Electromagnetic compatibility	Electrostatic discharge immunity test 6 kV in contact) level 3 IEC 61000-4-2 Electrostatic discharge immunity test 8 kV in air) level 3 IEC 61000-4-2 Susceptibility to electromagnetic fields 10 V/m 80 MHz to 1 GHz) level 3 IEC 61000-4-3 Electrical fast transient/burst immunity test 1 kV capacitive connecting clip) level 3 IEC 61000-4-4 Electrical fast transient/burst immunity test 2 kV direct) level 3 IEC 61000-4-4 1.2/50 µs shock waves immunity test 1 kV differential mode) level 3 IEC 61000-4-5 1.2/50 µs shock waves immunity test 2 kV common mode) level 3 IEC 61000-4-5 Conducted RF disturbances 10 V 0.1580 MHz) level 3 IEC 61000-4-6 Voltage dips and interruptions immunity test 0 % 1 cycle) IEC 61000-4-11 Voltage dips and interruptions immunity test 70 % 25/30 cycles) IEC 61000-4-11 Conducted and radiated emissionsclass B EN 55022

# Ordering and shipping details

Ordering and empling detaile		
Category	22370-RE, RM MISC TIMERS & COUNTERS	
Discount Schedule	CP2	
GTIN	3606480552717	
Nbr. of units in pkg.	1	
Package weight(Lbs)	2.68 oz (76.0 g)	
Returnability	No	
Country of origin	ID	

**Packing Units** 

· coming come	
Unit Type of Package 1	PCE
Package 1 Height	1.06 in (2.7 cm)
Package 1 width	3.07 in (7.8 cm)
Package 1 Length	3.78 in (9.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Weight	7.74 lb(US) (3.509 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

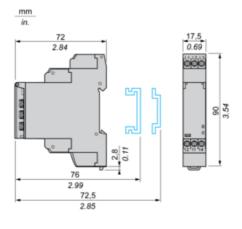
Offer Sustainability

Sustainable offer status	Green Premium product	
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	
REACh Regulation	☑REACh Declaration	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEL RoHS  Declaration	
Mercury free	Yes	
RoHS exemption information	₫Yes	
China RoHS Regulation	☑ China RoHS Declaration	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile		

# Product data sheet Dimensions Drawings

# RE17RLJU

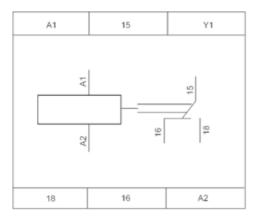
# Width 17.5 mm



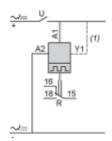
# Product data sheet Connections and Schema

# RE17RLJU

# Internal Wiring Diagram



# Wiring Diagram



1 Link A1-Y1 for function L only

# RE17RLJU

## 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

Output closed

С	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