

Product data sheet

Specifications



Harmony timer relay, Off delay function, 24V AC DC, 240V AC, 1CO

RE10RCMUN

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony Timer Relays
Discrete output type	Relay
Product or Component Type	Modular timing relay
Time delay type	C
Time delay range	0...30 h
[Us] rated supply voltage	240 V AC 50/60 Hz 24 V AC/DC
nominal output current	5 A

Complementary

Contacts type and composition	1 C/O
Width pitch dimension	0.7 in (17.5 mm)
Control type	Selector switch front panel
[Ie] rated operational current	5 A 250 V AC-1 IEC 60947-5-1 5 A 28 V DC-1 IEC 60947-5-1 1.5 A 240 V AC-15 IEC 60947-5-1 2 A 24 V DC-13 IEC 60947-5-1
Voltage range	0.8...1.1 Un
Connections - terminals	Screw connectors, 2 x 0.5...2 x 1.5 mm² AWG 20...AWG 16) solid with or without cable end
Housing material	Polycarbonate
Repeat accuracy	+/- 0.5 %
Setting accuracy of time delay	+/- 10 % of full scale 25 °C
Minimum pulse duration	100 ms with load in parallel
Reset time	100 ms on de-energisation
Power consumption in VA	7 VA 240 V
Power consumption in W	0.6 W 24 V
Electrical durability	100000 cycles 5 A, 250 V resistive
Mechanical durability	5000000 cycles
[Uimp] rated impulse withstand voltage	5 kV 1.2...50 µs
Marking	CULus CE CCC UKCA
Mounting support	35 mm symmetrical mounting rail

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Local signalling	LED indicator green, flashing timing in progress LED indicator red, steady relay energised
Product Weight	2.6 oz (75 g)
Compatibility code	RE10
Height	2.3 in (58.5 mm)
Width	0.7 in (18 mm)
Depth	3.5 in (90 mm)
Function available	C- Off-delay relay w/ control signal-1 C/O
Number of functions	1

Environment

Dielectric strength	2.5 kV 1 mA/1 minute 50 Hz
Standards	IEC 61812-1
Product Certifications	cULus CE CCC UKCA
Ambient Air Temperature for Storage	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Operation	14...131 °F (-10...55 °C)
IP degree of protection	IP20 terminals: IP40 casing:
Vibration resistance	0.15 mm (f= 10...150 Hz)
Relative Humidity	10...95 % without condensation
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2 Fast transients immunity test - test level: 2 kV level 3 conforming to IEC 61000-4-4

Ordering and shipping details

Category	US10CP222370
Discount Schedule	0CP2
GTIN	3606487407096
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.984 in (2.500 cm)
Package 1 Width	2.638 in (6.700 cm)
Package 1 Length	4.331 in (11.000 cm)
Package weight(Lbs)	2.857 oz (81.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Height	5.906 in (15.000 cm)

Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	10.119 lb(US) (4.590 kg)

Contractual warranty

Warranty (in months)	18
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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	49 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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 Longer



Lifetime extension

Repair	No
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Use Again

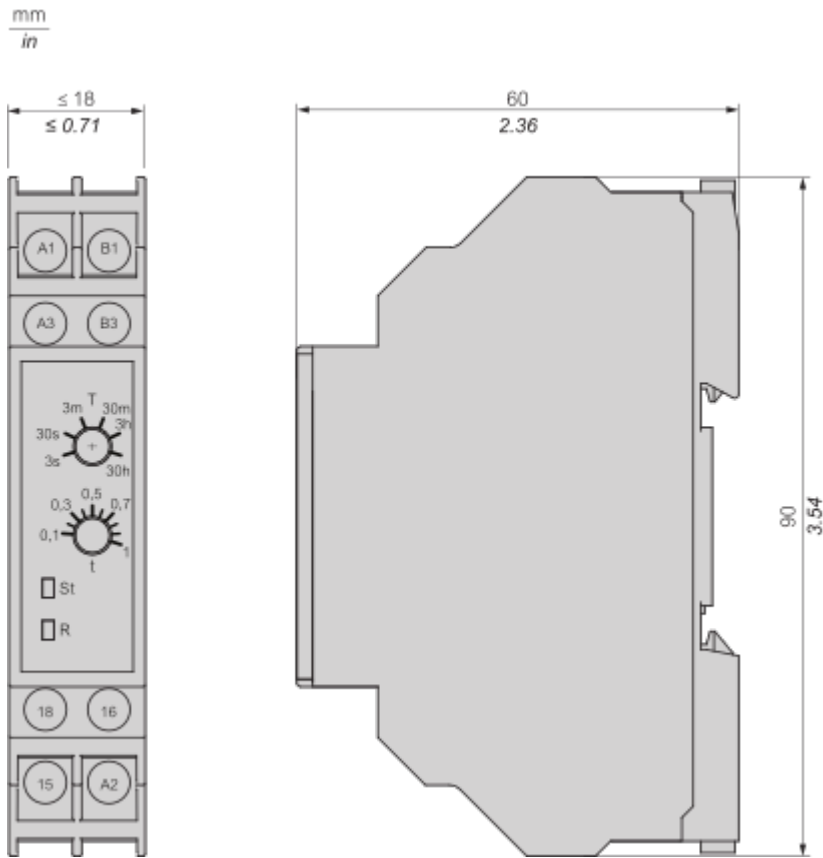


Repack and remanufacture

Recyclability potential, in %	70
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

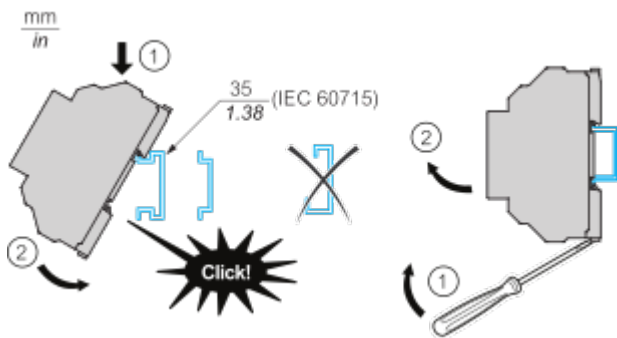
Dimensions Drawings

Dimensions



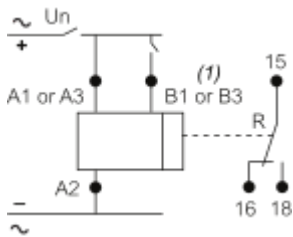
Mounting and Clearance

Mounting



Connections and Schema

Wiring

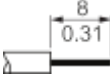


(1) : Control

Un	Terminal	Control
240VAC	A1-A2	B1
24VAC/DC	A3-A2	B3

Note 1:
EQUIPMENT OPERATION HAZARD : Do not apply 240 VAC across A3 & A2. Failure to follow this instruction can result in equipment damage.

Note 2:

- Use copper conductors only
- TORQUE : 0.5...0.7 N.m (4.4...6.2 lbf.in)
-  2x (0.5...1.5mm² / 20...16AWG)

Technical Description

Function Diagram

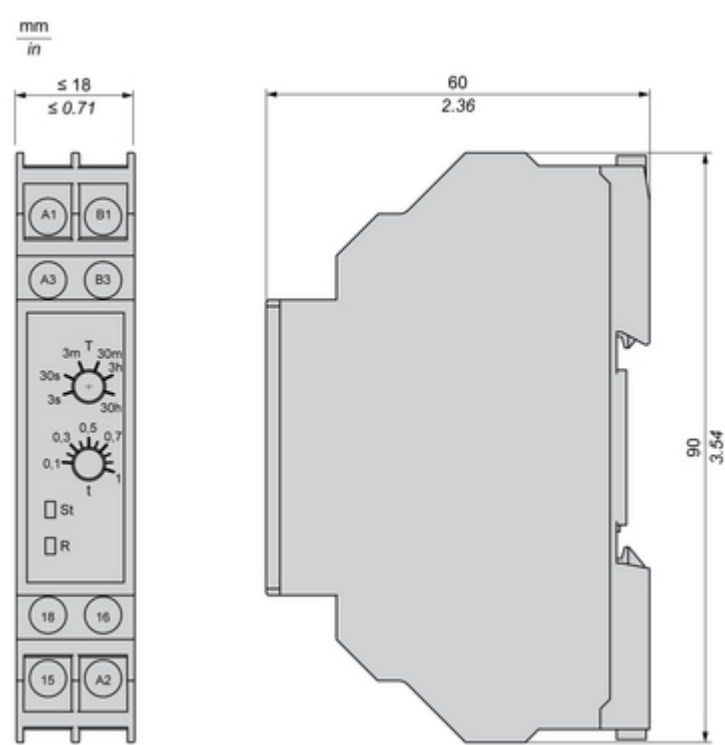


LED Indication	Status				
	1	2	3	4	5
	Power OFF	Power ON (B1 or B3 control signal not activated)	Power ON (B1 or B3 control signal activated)	OFF delay time counting (start when B1 or B3 control signal deactivated) T_t	Time lapsed T_t
St: Status (YELLOW)	OFF	ON	ON	ON (slow blinking, if more than 60s) ON (fast blinking, if less than 60s)	ON
R: Relay (RED)	OFF	OFF	ON	ON	OFF

Relay ON status: Terminal 15–18 (NO) closed
Relay OFF status: Terminal 15–16 (NC) closed

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony Timer Relay

Flexible choice of screw or spring connection terminals for wiring.

One product reference covering 28 timing functions, 2 outputs, and a wide range of supply voltage 24...240 V AC/DC.

Dust and unintended human intervention avoided thanks to the IP50 lead-sealable settings protection cover.

A Dial-Pointer LED indicator that enhances ease of operation in difficult environments such as dusty or low-light conditions

Different mounting style to meet your preference:
DIN rail mount with product width: 17.5 mm/0.69 in.
22.5 mm/0.88 in.
Plug in mounting with socket



Offer Marketing Illustration

Product benefits / Features

Features

Harmony Timer Relay



"Diagnostic button" to check downstream circuit immediately, shorten the commission and troubleshooting time



Wide range of time delay for adjustment: from 0.01 s to 999 hrs.



Unprecedented accuracy, predictive maintenance, and superior security.





Compatible with a wide range of applications including machines, buildings, water segments, and HVAC.



Compliant with IEC 60255-1 standard, and a wide array of product certifications such as UL, CE, CSA, EAC.

Image of product / Alternate images

Alternative

