

# Product data sheet

Specifications



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

RE10RAMUN

**Product availability: Non-Stock - Not 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	A
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 mm <sup>2</sup> 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	8 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.

<b>Local signalling</b>	LED indicator green, flashing timing in progress LED indicator red, steady relay energised
<b>Net Weight</b>	2.6 oz (75 g)
<b>Compatibility code</b>	RE10
<b>Height</b>	2.3 in (58.5 mm)
<b>Width</b>	0.7 in (18 mm)
<b>Depth</b>	3.5 in (90 mm)
<b>Function available</b>	A- Power on-delay relay-1 C/O
<b>Number of functions</b>	1

## Environment

<b>Dielectric strength</b>	2.5 kV 1 mA/1 minute 50 Hz
<b>Standards</b>	IEC 61812-1
<b>Product Certifications</b>	cULus CE CCC UKCA
<b>Ambient Air Temperature for Storage</b>	-4...140 °F (-20...60 °C)
<b>Ambient Air Temperature for Operation</b>	14...131 °F (-10...55 °C)
<b>IP degree of protection</b>	IP20 terminals: IP40 casing:
<b>Vibration resistance</b>	0.15 mm (f= 10...150 Hz)
<b>Relative Humidity</b>	10...95 % without condensation
<b>Electromagnetic compatibility</b>	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

<b>Category</b>	US10CP222370
<b>Discount Schedule</b>	0CP2
<b>GTIN</b>	3606487344704
<b>Returnability</b>	Yes
<b>Country of origin</b>	IN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	0.984 in (2.500 cm)
<b>Package 1 Width</b>	2.756 in (7.000 cm)
<b>Package 1 Length</b>	4.331 in (11.000 cm)
<b>Package weight(Lbs)</b>	2.681 oz (76.000 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	48
<b>Package 2 Height</b>	5.906 in (15.000 cm)

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<b>Package 2 Width</b>	11.811 in (30.000 cm)
<b>Package 2 Length</b>	15.748 in (40.000 cm)
<b>Package 2 Weight</b>	9.464 lb(US) (4.293 kg)

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## **Contractual warranty**

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<b>Warranty (in months)</b>	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.

## Use Better



### Materials and Substances

EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



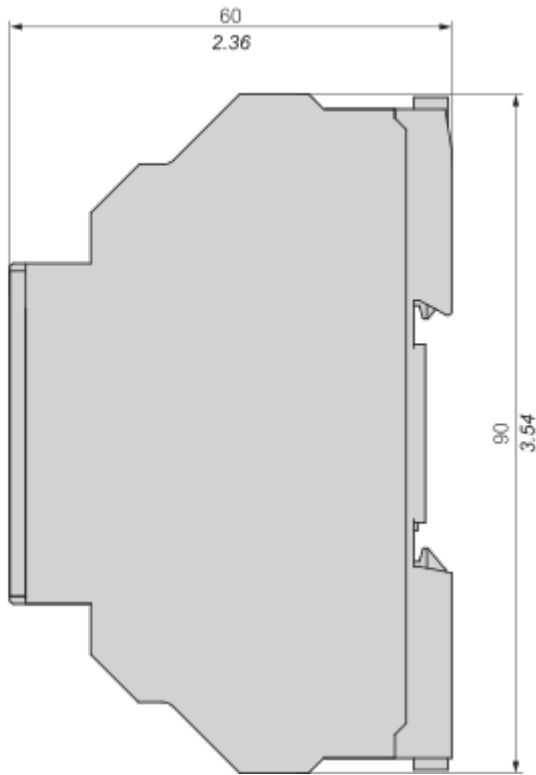
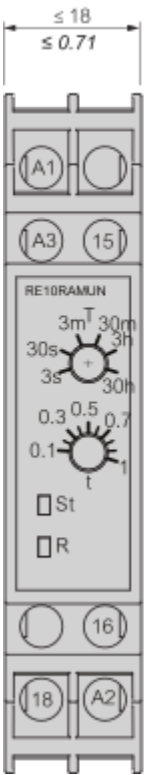
### Repack and remanufacture

Recyclability potential, in %	70
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

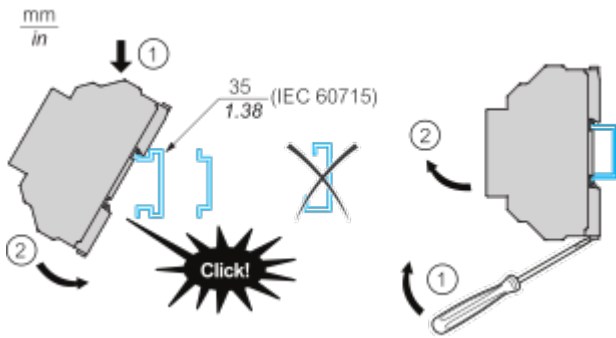
mm  
in



Mounting and Clearance

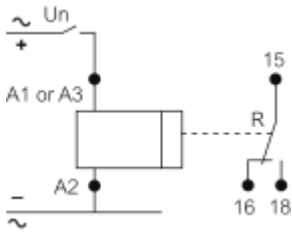
Mounting

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Connections and Schema

Wiring




Un	Terminal
240VAC	A1-A2
24VAC/DC	A3-A2

Note 1:

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

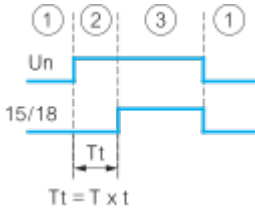
Note 2:

- Use copper conductors only
- TORQUE : 0.5...0.7 N.m (4.4...6.2 lbf.in)

-  2x (0.5...1.5mm<sup>2</sup> / 20...16AWG)

Technical Description

Function Diagram



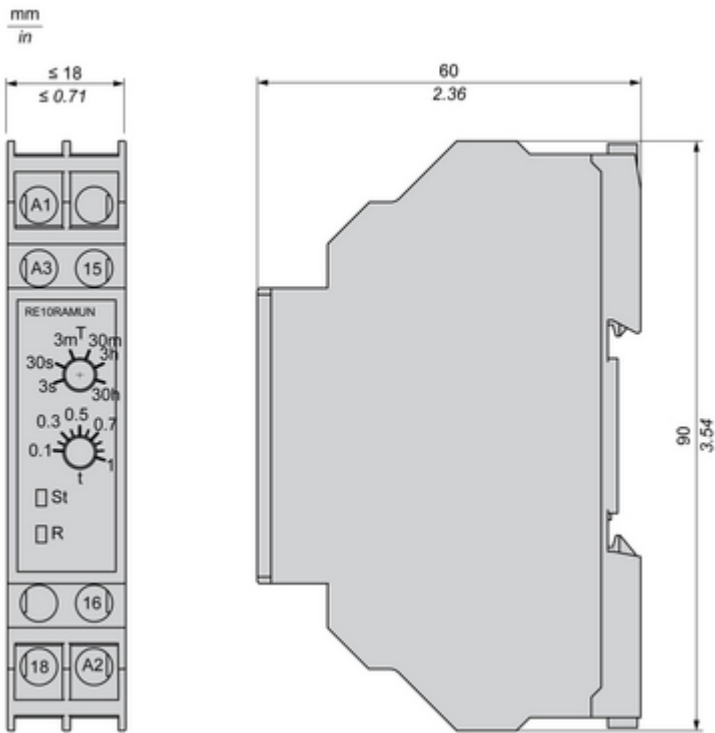
LED Indication	Status			
	1	2	3	4
	Power OFF	Power ON	Time Counting $T_t$	Time lapsed $T_t$
<b>St: Status (YELLOW)</b>	OFF	ON	ON (slow blinking, if more than 60s) ON (fast blinking, if less than 60s)	ON
<b>R: Relay (RED)</b>	OFF	OFF	OFF	ON

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

Technical Illustration

Dimensions

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Offer Marketing Illustration

Product benefits / Features

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## 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

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### Features

#### Harmony Timer Relay

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"Diagnostic button" to check downstream circuit immediately, shorten the commission and troubleshooting time
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Compatible with a wide range of applications including machines, buildings, water segments, and HVAC.
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Wide range of time delay for adjustment: from 0.01 s to 999 hrs.
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Compliant with IEC 60255-1 standard, and a wide array of product certifications such as UL, CE, CSA, EAC.
- 

Unprecedented accuracy, predictive maintenance, and superior security.

Image of product / Alternate images

Alternative

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**RE10RAMUN**

Tt: 0.3s - 30h  
 Un: 24VAC or 240VAC 50-60Hz 8VA  
 24VDC 0.5W IEC61812-1  
 ~ 5A/250V ~

$Tt = T \times t$

Do not apply 240 VAC across A3 & A2	Un	Terminal
	240VAC	A1-A2
	24VAC/DC	A3-A2

Use copper conductors only

**TORQUE**

0.5 - 0.7 N.m  
4.4 - 6.2 lbf.in

2x

8mm

0.5 - 1.5mm<sup>2</sup>  
20 - 16AWG

S/N: HOYY-##BBNNNNN  
HO-YYYY-Www-BB



