Productinformatieblad

Specificaties

Harmony - Tijdrelais - 10 functies - 1s-100 h 12-240V AC/DC - 1OC

RE17RMMWS

EAN Code: 3606480552779

Prijs: 72,00 EUR

Hoofd

range of product	Harmony-timerrelais
digitaal uitgangstype	Relais
product or component type	Modulaire tijdrelais
width	17,5 mm
device short name	RE17R
type tijdsvertraging	Vertraging bij inschakeling Vertraging bij in- en uitschakelen Print gegevens Vertraging bij uitschakeling Symmetrisch knipperend
tijdvertraging bereik	6...60 min 6...60 s 1...10 min 1...10 h 0.1...1 s 10...100 h 1...10 s
nominale uitgangsstroom	8 A

Complementair

type en samenstelling contacten	1 C/O
contact materiaal	Cadmiumvrij
height	90 mm
depth	72 mm
besturingstype	Keuzeschakelaar voorpaneel
Us nominale voedingsspanning	12...240 V AC/DC 50/60 Hz
spanningsbereik	0,85...1,1 Us
voedingsfrequentie	50...60 Hz +/- 5 %
losser van input spanning	5 V
aansluitingen - aansluitklemmen	Veerklemmen, 2 x 0,2...2 x 1,5 mm² (AWG 24...AWG 16) vast zonder kabeluiteinde Veerklemmen, 2 x 0,2...2 x 1,5 mm² (AWG 24...AWG 16) flexibel met kabeluiteinde
materiaal behuizing	Zelf dovend
herhalingsnauwkeurigheid	+/-0.5% conform aan IEC 61812-1
temperatuurafwijking	+/- 0,05 %/°C
spanningsverloop	+/- 0,2 %/V
instelling nauwkeurigheid tijdsvertraging	+/- 10% van totaal bij 25 °C conform aan IEC 61812-1

De weergegeven prijs is de adviesprijs in euro excl. BTW. Deze kan onderhevig zijn aan korting. Neem contact op met uw lokale distributeur of detailhandel voor de daadwerkelijke prijs

Time delay type	Vertraging bij inschakeling - A- Vertragingsrelais bij inschakeling Vertraging bij in- en uitschakelen - Ac - Vertragingsinschakeling en uitschakelrelais m/ controlesignaal Vertraging bij inschakeling - Bij- Vertragingsrelais bij inschakeling vermogen m/ pauze/optelling (Y1) Print gegevens - B- Eén intervalrelais met controlesignaal Print gegevens - Bw- Dubbel intervalrelais m/ besturingssignaal Vertraging bij uitschakeling - C- Uit-vertragingsrelais m/ controlesignaal Symmetrisch knipperend - D- Symmetrisch knipperend relais (start pulse-off) Symmetrisch knipperend - Di- Symmetrisch knipperend relais (start puls-on) Print gegevens - H- Intervalrelais Print gegevens - Ht- Intervalrelais m/ pauze/optelling (Y1)
impulsduur	100 ms met belasting in parallel typisch 30 ms typisch
isolatieweerstand	100 MOhm bij 500 V DC conform aan IEC 60664-1
resettijd	120 ms bij ontkrachtiging typisch
on-load factor	100 %
maximaal energieverbruik in VA	0…3 VA bij 240 V AC
maximaal energieverbruik in W	1,5 W bij 240 V DC
minimale schakelstroom	10 mA bij 5 V DC
maximale schakelstroom	8 A AC/DC
maximale schakelspanning	250 V AC
uitschakelvermogen	2000 VA
werkingssnelheid in Hz	10 Hz
elektrische duurzaamheid	100000 cycles voor resistief laden (8 A bij 250 V AC maximum)
mechanical durability	10000000 cycles
doorslagvastheid	2,5 kV 1 mA/1 minuut 50 Hz conform aan IEC 61812-1
Uimp toegekende schokgolfspanning	5 kV gedurende 1,2/50 µs
responsvertraging	100 ms
markering	CE
kruipweg	4 kV/3 conform aan IEC 60664-1
betrouwbaarheidsgegevens veiligheid	MTTFd = 296.8 jaar B10d = 270000
montagepositie	Eender welke positie in verhouding tot het normale verticale montagevlak
montagesteun	35mm DIN rail conform aan IEC 60715
lokale signalering	LED-indicator voor brandt continu: relais van stroom voorzien, geen timing in uitvoering LED-indicator 80% ON en 20% OFF voor knippert: timing in uitvoering LED-indicator 5% ON en 95% OFF voor pulsing: relais afgevallen, geen timing bezig (met uitz. van functie Di-D, Li-L)
functie beschikbaar	A- Vertragingsrelais bij inschakeling-1 C/O Ac - Vertragingsinschakeling en uitschakelrelais m/ controlesignaal-1 C/O Bij- Vertragingsrelais bij inschakeling vermogen m/ pauze/optelling (Y1)-1 C/O B- Eén intervalrelais met controlesignaal-1 C/O Bw- Dubbel intervalrelais m/ besturingssignaal-1 C/O C- Uit-vertragingsrelais m/ controlesignaal-1 C/O D- Symmetrisch knipperend relais (start pulse-off)-1 C/O Di- Symmetrisch knipperend relais (start puls-on)-1 C/O H- Intervalrelais-1 C/O Ht- Intervalrelais m/ pauze/optelling (Y1)-1 C/O
net weight	0,07 kg
control type	Zonder testknop
Aantal functies	10

Type tijdvertraging	A, Ac, At, B, Bw, C, D, Di, H, Ht
functionaliteit	Multifunctioneel
compatibility code	RE17

Omgeving

immuniteit voor micro-onderbrekingen	20 ms
standards	2006/95/EC IEC 61000-6-4 2004/108/EC IEC 61000-6-3 IEC 61812-1 IEC 61000-6-2 IEC 61000-6-1
product certifications	GL cULus CSA
ambient air temperature for storage	-30…60 °C
ambient air temperature for operation	-20…60 °C
IP beschermingsgraad	IP20 conform aan IEC 60529 (aansluitblok) IP40 conform aan IEC 60529 (behuizing) IP50 conform aan IEC 60529 (voorpaneel)
trilling bestendigheid	20 m/s² (f= 10…150 Hz) conforming to IEC 60068-2-6
schokbestendigheid	15 gn voor 11 ms conform aan IEC 60068-2-27
relatieve vochtigheid	93 % zonder condensatie conform aan IEC 60068-2-30
elektromagnetische compatibiliteit	Elektrostatische ontlading immuniteitstest: testniveau: 6 kV (in contact) , niveau 3 conform aan IEC 61000-4-2 Elektrostatische ontlading immuniteitstest: testniveau: 8 kV (in lucht) , niveau 3 conform aan IEC 61000-4-2 Gevoelig aan elektromagnetische velden: testniveau: 10 V/m (80 MHz tot 1 GHz) , niveau 3 conform aan IEC 61000-4-3 Elektrische snelle transiënte/burst immuniteitstest: testniveau: 1 kV (capacitieve verbindingsclip) , niveau 3 conform aan IEC 61000-4-4 Elektrische snelle transiënte/burst immuniteitstest: testniveau: 2 kV (rechtstreeks) , niveau 3 conform aan IEC 61000-4-4 1,2/50 µs schokgolven immuniteitstest: testniveau: 1 kV (differentieelmodus) , niveau 3 conform aan IEC 61000-4-5 1,2/50 µs schokgolven immuniteitstest: testniveau: 2 kV (gewone modus) , niveau 3 conform aan IEC 61000-4-5 Geleidende RF verstoringen: testniveau: 10 V (0,15...80 MHz) , niveau 3 conform aan IEC 61000-4-6 Spanningsval en onderbrekingen immuniteitstest: testniveau: 0 % (1 cyclus) conform aan IEC 61000-4-11 Spanningsval en onderbrekingen immuniteitstest: testniveau: 70 % (25/30 cycli) conform aan IEC 61000-4-11 Geleide en uitgestraalde emissies: , klasse B conform aan EN 55022

Verpakkingseenheid

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2,7 cm
Package 1 Width	7,8 cm
Package 1 Length	9,5 cm
Package 1 Weight	75 g
Unit Type of Package 2	S02
Number of Units in Package 2	40

Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3,484 kg

Environmental Data

Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

Uitleg van Environmental Data >

Hoe evalueren we de duurzaamheid van producten? >

Milieuvoetafdruk

Totale levenscyclus ecologische voetafdruk	**45**
Milieuprofiel van product (PEP)	**Milieuprofiel van het product**

Use Better

Materialen en verpakking

Pakket met gerecycleerd karton	**Ja**
Verpakkingen zonder kunststof	**Ja**
EU-richtlijn RoHS	**Voldoet pro-aktief (Product valt niet onder de EU RoHS juridische scoop)**
SCIP-nummer	**7bdc2711-0ad2-427c-8ece-532c5e9f09d7**
REACh-regelgeving	**REACh-verklaring**

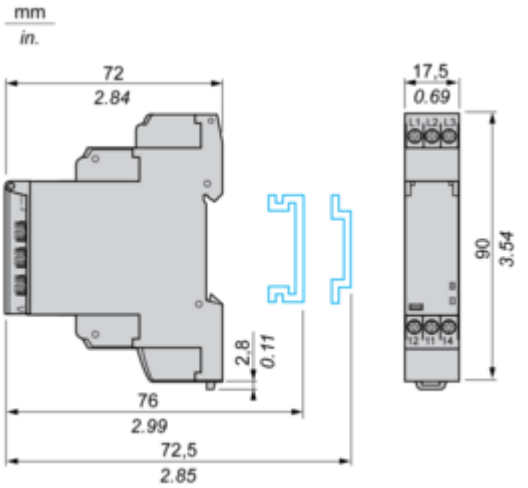
Use Again

Herverpakken en herfabriceren

Circulair Profiel	**Informatie over einde levensduur**
Terugname	**No**

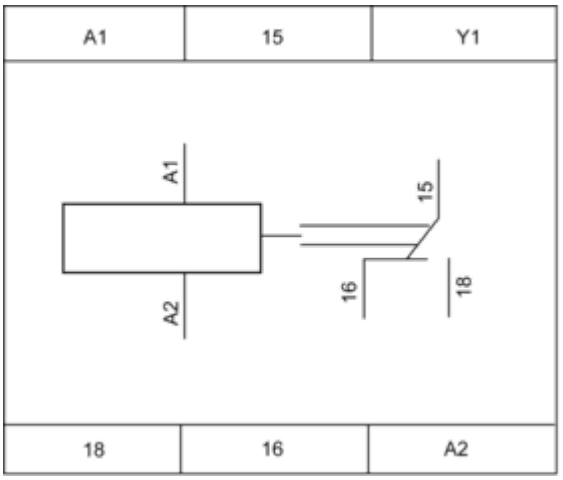
Dimensions Drawings

Width 17.5 mm

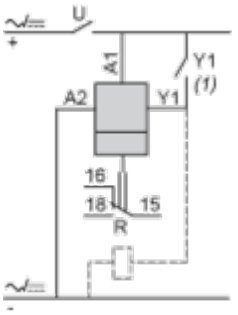


Connections and Schema

Internal Wiring Diagram



Wiring Diagram



1) Contact Y1:

- Control for functions B, C, Ac, Bw, Ad, Ah, N, O, W, T, Tt.
- Partial stop for functions At, Ht and Pt.
- Function D if Di selected.
- Not used for functions A, H and P.

Technical Description

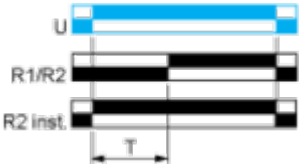
Function A : Power on Delay Relay

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



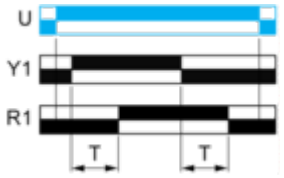
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Ac: On-Delay & Off-Delay with Control Signal

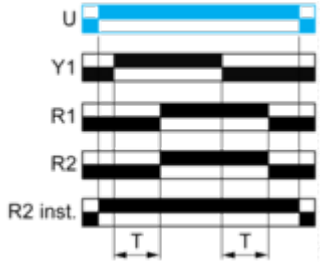
Description

After energisation of power supply and energization of Y1 causes the timing period T to start.
At the end of this timing period, the output(s) R close(s).
When deenergization of Y1, the timing T starts.
At the end of this timing period T,the output(s) R revert(s) to its/their initial position.
The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 1 Output



Function: 2 Outputs

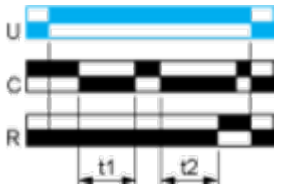


Function At : Power on Delay Relay (Summation) with Control Signal

Description

After power-up, the first opening of control contact C starts the timing. Timing can be interrupted each time control contact closes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output relay closes.

Function: 1 Output



T = t1 + t2 +...

Function B : Interval Relay with Control Signal

Description

After power-up, pulsing or maintaining control contact C starts the timing T. The output R closes for the duration of the timing period T then reverts to its initial state.

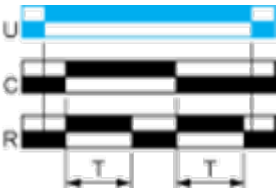
Function: 1 Output

Function Bw : Double Interval Relay with Control Signal

Description

On closing and opening of control contact C, the output R closes for the duration of the timing period T.

Function: 1 Output

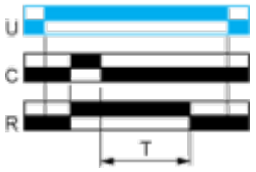


Function C : Off-Delay Relay with Control Signal

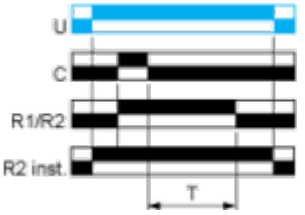
Description

After power-up and closing of the control contact C, the output R closes. When control contact C re-opens, timing T starts. At the end of the timing period, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



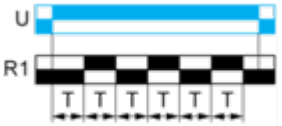
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D: Symmetrical Flashing Relay (Starting Pulse Off)

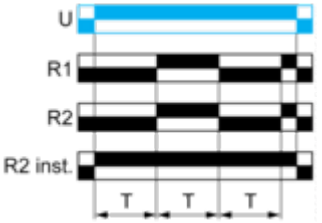
Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration T then change(s) to output(s) R close(s) for the same timing duration T.This cycle is repeated indefintely until power supply removal.Specially for RE17*, RE22R2AMU, RE22R2MMW, RE22R2MMU, RE22R2MJU,this D function can only be initiated by energizing Y1 permanently.The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 1 Output

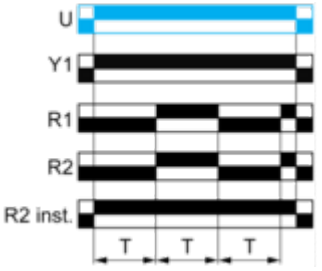


Function: 2 Outputs



Function: 1 Output with Retrigger / Restart Control

Function: 2 Output with Retrigger / Restart Control



Function Di : Symmetrical Flasher Relay (Starting Pulse On)

Description

Repetitive cycle with two timing periods T of equal duration, with output(s) R changing state at the end of each timing period T.
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.)

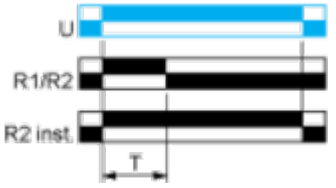
Function H : Interval Relay

Description

On energisation of the relay, timing period T starts and the output(s) R close(s). At the end of the timing period T, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output

Function: 2 Outputs



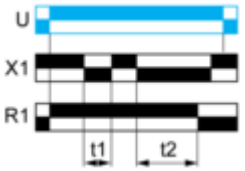
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Ht: Interval Relay & With Pause / Summation Control

Description

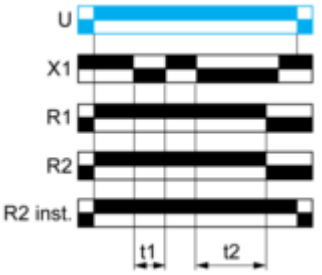
On energisation of power supply, output(s) R close(s) and timing period T starts.
The timing can be interrupted / paused each time X1 energizes.
When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state Reenergization of X1 will also cause output(s) R close(s) if the time has elapsed and restart the same operation as described at the beginning.
Except for RE17*, RE22R2MMW, RENF22R2MMW, RE22R2MMU and RE22R2MJU, timing can be interrupted / paused each time Y1 energizes.
The second output (R2) can be either timed (when set to “TIMED” or instantaneous (when set to “INST”).

Function: 1 Output



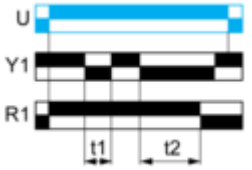
T = t1 + t2 +...

Function: 2 Outputs



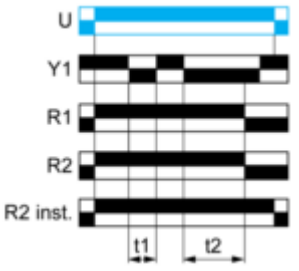
T = t1 + t2 +...

Function: 1 Output with Retrigger / Restart Control



T = t1 + t2 +...

Function: 2 Outputs with Retrigger / Restart Control



T = t1 + t2 +...

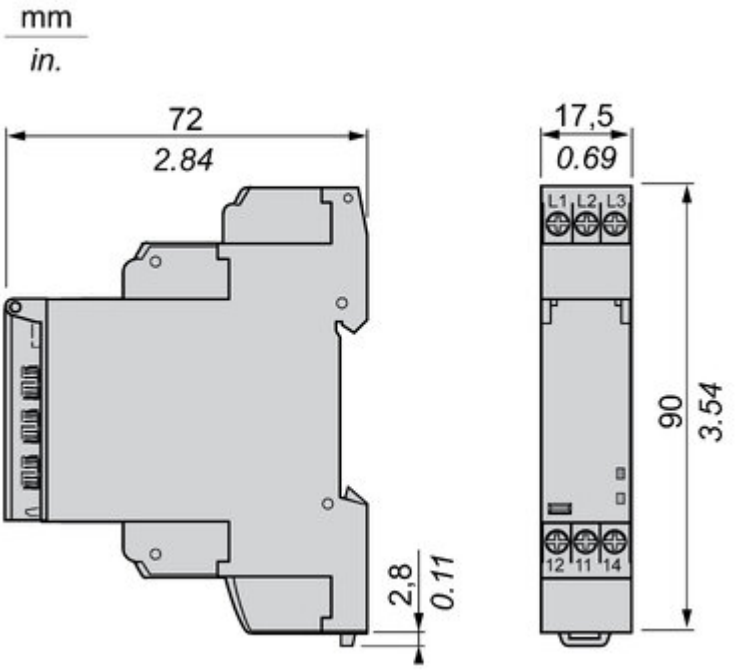
Legend

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
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
U	Supply

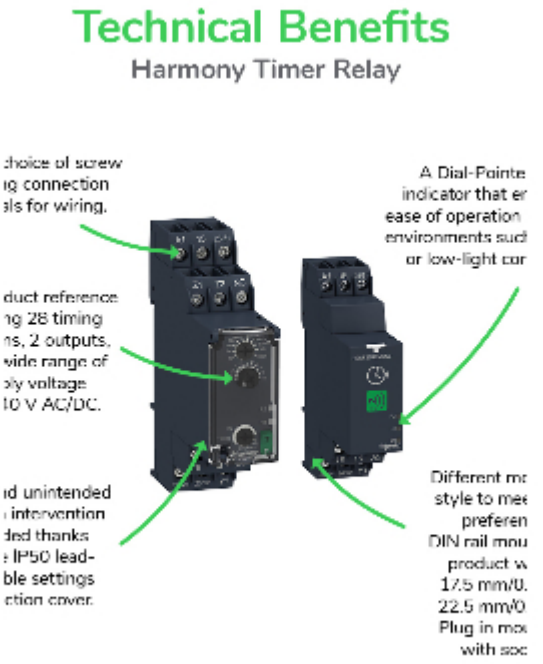
Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

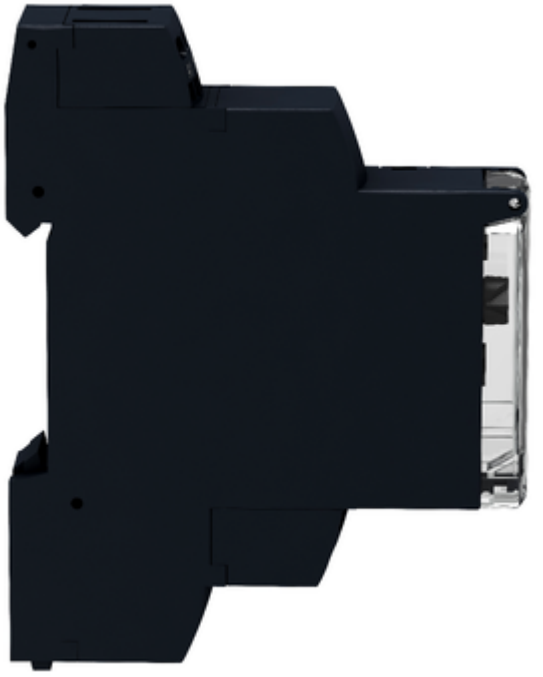


Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative




18
16
A2


A1 15 Y1

Image of product in real life situation