Produktdatablad

Specifikationer

Harmony tidsrelæ 17,5 mm med 10 funktioner (0,1 Sek-100 Timer) med 1 C/O relæudgang på 8A og 24VDC/24-240VAC

El-nr.:

7523006652 RE17RMMU

EAN-nr: 3606480552755

Egenskaber

Produktserie	Harmony Timer Relays
digital udgangstype	Relæ
Produkttype	Modular timing relay
bredde	17,5 mm
Enhedsforkortelse	"RE17R"
Tidsforsinkelsestype	Power on-delay On-delay and off-delay Interval Off-tidsforsinket Symmetrical flashing
Tidsforsinkelse	6...60 min 1...10 h 0.1...1 s 1...10 s 1...10 min 10...100 h 6...60 s
Nominel udgangsstrøm	8 A

Produktinformationer

Kontakttype og sammensætning	1 C/O
Kontaktmateriale	Cadmium free
Højde	90 mm
Dybde	72 mm
betjening	Selector switch front panel
[Us] forsyningsspænding	24…240 V AC 50/60 Hz 24 V DC
Spændingsområde	0.85...1.1 Us
tilslutningsfrekvens	50...60 Hz +/- 5 %
release of input voltage	10 V
tilslutningsklemmer	Skrueterminaler, 1 x 0.5...1 x 3.3 mm² (AWG 20...AWG 12) stiv Uden kabeltylle Skrueterminaler, 2 x 0.5...2 x 2.5 mm² (AWG 20...AWG 14) stiv Uden kabeltylle Skrueterminaler, 1 x 0.2...1 x 2.5 mm² (AWG 24...AWG 14) Fleksibel Med kabeltylle Skrueterminaler, 2 x 0.2...2 x 1.5 mm² (AWG 24...AWG 16) Fleksibel Med kabeltylle
Tilspændingsmoment	0,6…1 N.m i henhold til IEC 60947-1
Kapslingsmateriale	Self-extinguishing
gentagelsesnøjagtighed	+/- 0.5 % i henhold til IEC 61812-1
Temperaturdrift	+/- 0.05 %/°C

Spændingsdrift	+/- 0.2 %/V
indstillingsnøjagtighed for tidsforsinkelse	+/- 10 % af fuld skala ved "25 °C" i henhold til IEC 61812-1
Time delay type	Power on-delay - A- Power on-delay relay On-delay and off-delay - Ac- On-delay and off-delay relay w/ control signal Power on-delay - At- Power on-delay relay w/ pause/summation (Y1) Interval - B- Single interval relay w/ control signal Interval - Bw- Double interval relay w/ control signal Off-tidsforsinket - C- Off-delay relay w/ control signal Symmetrical flashing - D- Symmetrical flashing relay (starting pulse-off) Symmetrical flashing - Di- Symmetrical flashing relay (starting pulse-on) Interval - H- Interval relay Interval - Ht- Interval relay w/ pause/summation (Y1)
control signal pulse width	100 ms med load in parallel typical 30 ms typical
isolationsmodstand	100 MOhm ved 500 V DC i henhold til IEC 60664-1
resettid	120 milisekund På afbrydelse af forsyning typical
belastningsfaktor	100 %
effektforbrug i VA	0…32 VA ved 240 V AC
effektforbrug i W	0,6 W ved 24 V DC
Mindste sluttestrøm	10 mA ved 5 V DC
maksimum sluttestrøm	8 A AC/DC
masimal spænding	250 V AC
Brydeevne	2000 VA
operating frequency	10 Hz
elektrisk holdbarhed	100000 kredsløb til modstandsdygtig belastning (8 A ved 250 V AC maksimum)
Mekanisk holdbarhed	10000000 kredsløb
dielektrisk gennemslagsholdbarhed	2,5 kV 1 mA/1 minut 50 Hz i henhold til IEC 61812-1
[Uimp] impulsmodstandsspænding	5 kV gennem 1.2/50 µs
power on delay	100 milisekund
Mærkning	CE
creepage distance	"4 kV/3" i henhold til IEC 60664-1
sikkerhedsdata	B10d = 270000 MTTFd = 296.8 years
mounting position	Any position in relation to normal vertical mounting plane
Montagevejledning	35 mm DIN skinne i henhold til "IEC 60715"
lokal indikering	LED indikator til on steady: relay energised, no timing in progress LED indikator 80 % ON and 20 % OFF til flashing: timing in progress LED indikator 5 % ON and 95 % OFF til pulsing: relay de-energised, no timing in progress (except function Di-D, Li-L)
funktion tilgængelig	A- Power on-delay relay-1 C/O Ac- On-delay and off-delay relay w/ control signal-1 C/O At- Power on-delay relay w/ pause/summation (Y1)-1 C/O B- Single interval relay w/ control signal-1 C/O Bw- Double interval relay w/ control signal-1 C/O C- Off-delay relay w/ control signal-1 C/O D- Symmetrical flashing relay (starting pulse-off)-1 C/O Di- Symmetrical flashing relay (starting pulse-on)-1 C/O H- Interval relay-1 C/O Ht- Interval relay w/ pause/summation (Y1)-1 C/O
Vægt	0,07 kg
Type af betjening	Uden testknap

Number of functions	10
time delay type	A, Ac, At, B, Bw, C, D, Di, H, Ht
funktionalitet	Multifunction
Kompatibilitetskode	RE17

Miljø

imunitet over for microafbrydelser	20 milisekund
Standarder	2006/95/EC "2004/108/EC" IEC 61812-1 IEC 61000-6-2 IEC 61000-6-3 IEC 61000-6-4 IEC 61000-6-1
Produktcertificeringer	CSA GL cULus
Omgivelsestemperatur ved opbevaring	-30…60 °C
Omgivelsestemperatur under drift	-20…60 °C
IP kapslingsklasse	IP20 i henhold til IEC 60529 (terminal blok) IP40 i henhold til IEC 60529 (kabinet) IP50 i henhold til IEC 60529 (Tavlefront)
Vibrationsmodstand	"20 m/s²" (f= 10…150 Hz) conforming to IEC 60068-2-6
Modstandsdygtighed overfor stød	15 gn til 11 milisekund i henhold til IEC 60068-2-27
relativ fugtighed	93 % uden kondensering i henhold til IEC 60068-2-30
elektromagnetisk kompatibilitet	Immunitetstest overfor elektrostatisk afladning: testniveauel: 6 kV (i kontakt) , Level 3 i henhold til IEC 61000-4-2 Immunitetstest overfor elektrostatisk afladning: testniveauel: 8 kV (i luft) , Level 3 i henhold til IEC 61000-4-2 Modtagelighed overfor elektromagnetiske felter: testniveauel: 10 V/m (80 MHz til 1 GHz) , Level 3 i henhold til IEC 61000-4-3 Immunitetstest overfor hurtige elektriske transienter: testniveauel: 1 kV (capacitive connecting clip) , Level 3 i henhold til IEC 61000-4-4 Immunitetstest overfor hurtige elektriske transienter: testniveauel: 2 kV (direkte) , Level 3 i henhold til IEC 61000-4-4 1.2/50 µs chokbølge immunitetstest: testniveauel: 1 kV (Differential tilstand) , Level 3 i henhold til IEC 61000-4-5 1.2/50 µs chokbølge immunitetstest: testniveauel: 2 kV (Almindelig tilstand) , Level 3 i henhold til IEC 61000-4-5 Udledt RF forstyrelser: testniveauel: 10 V (0.15...80 MHz) , Level 3 i henhold til IEC 61000-4-6 Voltage dips and interruptions immunity test: testniveauel: 0 % (1 cyklus) i henhold til IEC 61000-4-11 Voltage dips and interruptions immunity test: testniveauel: 70 % (25/30 cyklus) i henhold til IEC 61000-4-11 Emissionsstråling og udledelse: , Klasse B i henhold til EN 55022

Forpakningsinformation

Enhedstype af pakke 1	PCE
Antal enheder i pakke 1	1
Pakke 1 Højde	2,600 cm
Pakke 1 Længde	7,800 cm
Package 1 Length	9,500 cm
Pakke 1 Vægt	80,000 g
Enhedstype af pakke 2	S02
Antal enheder i pakke 2	40

Pakke 2 Højde	15,000 cm
Pakke 2 Bredde	30,000 cm
Pakke 2 Længde	40,000 cm
Pakke 2 Vægt	3,690 kg
Enhedstype af pakke 3	P06
Antal enheder i pakke 3	640
Pakke 3 Højde	75,000 cm
Pakke 3 Bredde	60,000 cm
Pakke 3 Længde	80,000 cm
Pakke 3 Vægt	65,700 kg

Logistik informationer

Oprindelsesland	ID

Environmental Data

Schneider Electrics mål er at opnå Net Zero-status i 2050 gennem partnerskaber med forsyningskæden, materialer med lavere påvirkning og cirkularitet via vores igangværende kampagne "Use Better, Use Longer, Use Again" for at forlænge produkternes levetid og genbrugelighed.

Forklaring af Environmental Data >

Sådan vurderer vi produktets bæredygtighed >

Miljøfodaftryk

CO2-belastning (kg CO2 eq.)	55
Miljøoplysning	Miljøprofil for produkt

Use Better

Materialer og emballage

Pakke med genbrugspap	Yes
Emballage uden plast	Yes
EU RoHS-direktivet	Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)
SCIP-nummer	948566f8-a5c9-4da0-afbe-9524116a5ab8
Reach-forordning	REACh-erklæring

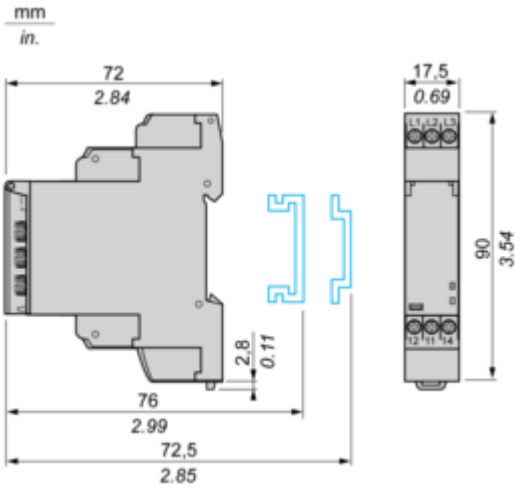
Use Again

Ompakning og genfremstilling

Cirkularitetsprofil	Oplysninger om udtjent udstyr
Returnering	No

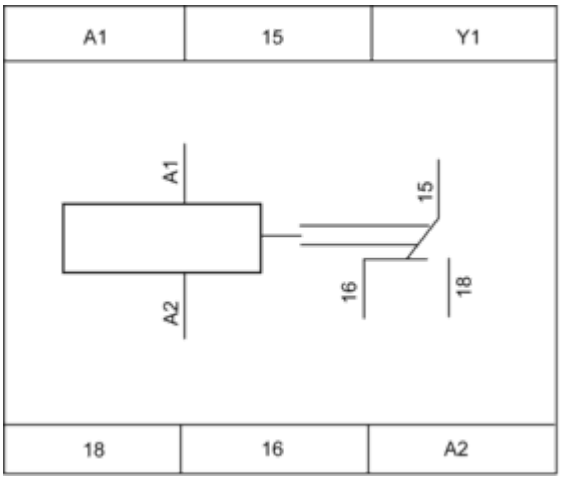
Dimensions Drawings

Width 17.5 mm

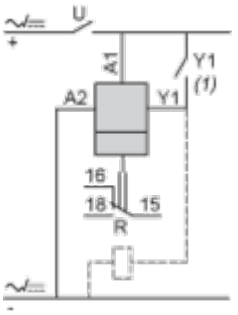


Connections and Schema

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

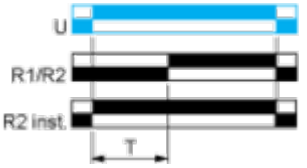
Function A : Power on Delay Relay

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



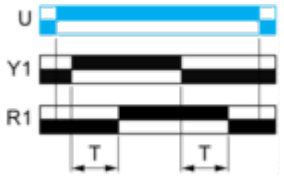
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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

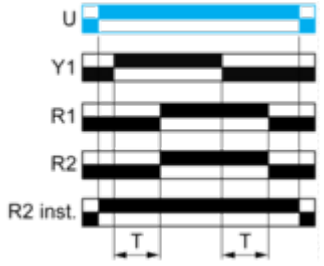
Description

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

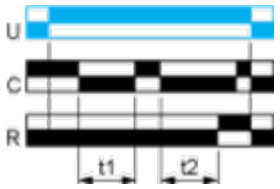


Function At : Power on Delay Relay (Summation) with Control Signal

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.

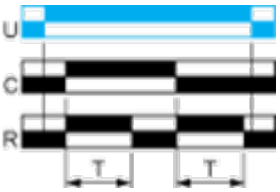
Function: 1 Output

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

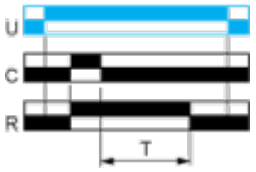


Function C : Off-Delay Relay with Control Signal

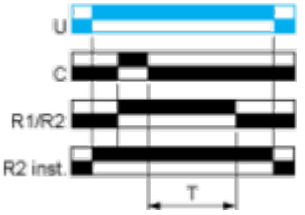
Description

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



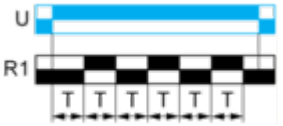
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D: Symmetrical Flashing Relay (Starting Pulse Off)

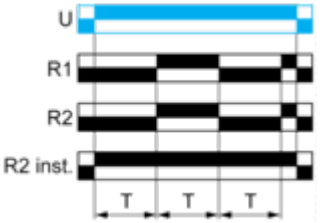
Description

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

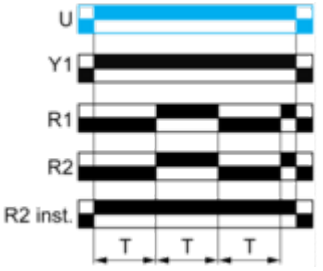


Function: 2 Outputs



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.)

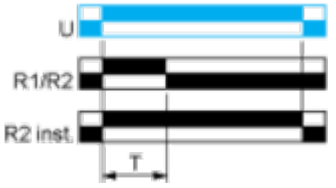
Function H : Interval Relay

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



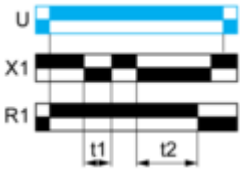
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Ht: Interval Relay & With Pause / Summation Control

Description

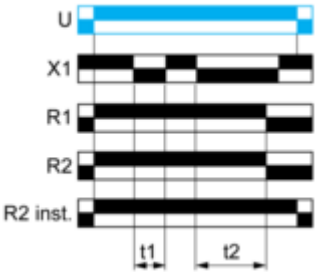
On energisation of power supply, output(s) R close(s) and timing period T starts.
The timing can be interrupted / paused each time X1 energizes.
When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state Reenergization of X1 will 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



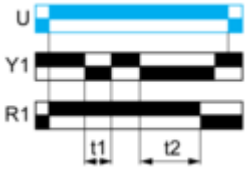
T = t1 + t2 +...

Function: 2 Outputs



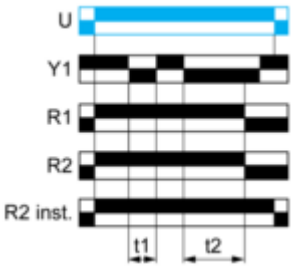
T = t1 + t2 +...

Function: 1 Output with Retrigger / Restart Control



T = t1 + t2 +...

Function: 2 Outputs with Retrigger / Restart Control



T = t1 + t2 +...

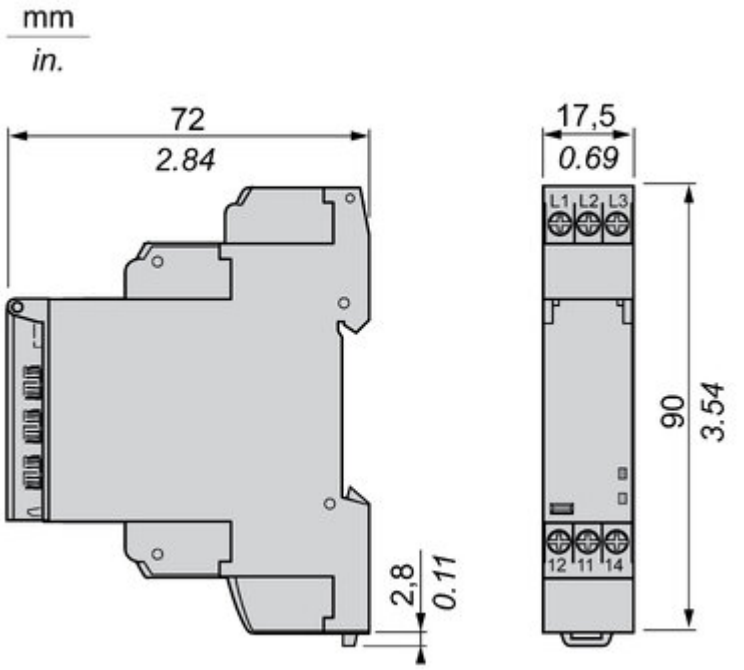
Legend

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

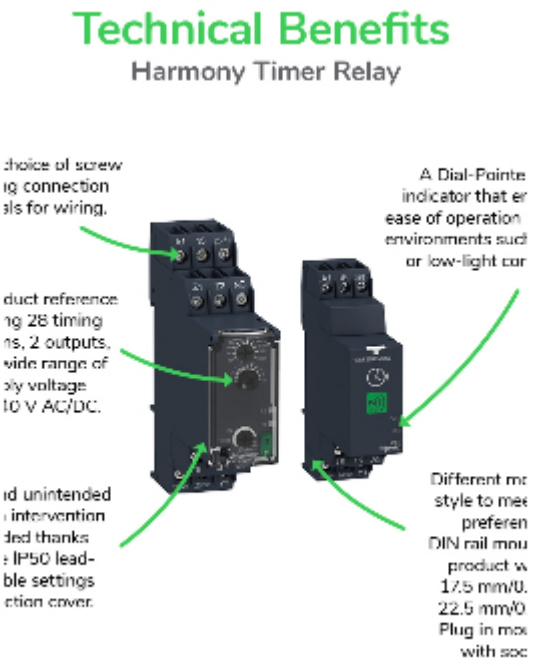
Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative


A1
15
Y1
18
16
A2


18
16
A2

Image of product in real life situation