Produktdatablad
Spesifikasjoner

RE17RMJU
Tidsrelé multifunksjon m/17,5mm bred 0,1s-100t relé utgang 24-240V AC/DC 8A

Teknisk informasjon

Produktspekter	Harmony Timer Relays
Produkt eller type komponent	Multifunction relay
Digitale utganger	Relé
Bredde	17,5 mm
Kortnavn utstyr	RE17R
Tidsforsinker type	Power on-delay On-delay and off-delay Interval Forsinket av Symmetrical flashing
Tidsforsinkelsesområde	1...10 s 6...60 s 10...100 t 1...10 min 1...10 t 0.1...1 s 6...60 min
Nominell utgangsstrøm	8 A

Komplementær

Kontakttype og sammensetning	1 C/O
Kontaktmateriale	Cadmium fri
Høyde	90 mm
Dybde	72 mm
Start/stopp	Vribryter front panel
[Us] matespenning	12 V AC/DC 50/60 Hz
Spenningsområde	0.9...1.2 Us
Nettfrekvens	50...60 Hz +/- 5 %
Release of input voltage	5 V
Tilkoblingsklemmer	Skruklemmer, 1 x 0.5...1 x 3.3 mm² (AWG 20...AWG 12) solid uten endehylse Skruklemmer, 2 x 0.5...2 x 2.5 mm² (AWG 20...AWG 14) solid uten endehylse Skruklemmer, 1 x 0.2...1 x 2.5 mm² (AWG 24...AWG 14) fleksibel med endehylse Skruklemmer, 2 x 0.2...2 x 1.5 mm² (AWG 24...AWG 16) fleksibel med endehylse
Tiltrekkningsmoment	0,6…1 N.m i samsvar med IEC 60947-1
Kapslingsmateriale	Self-extinguishing
Nøyktighet	+/- 0.5 % i samsvar med IEC 61812-1
Temperature drift	+/- 0.05 %/°C
Spenningsdrift	+/- 0.2 %/V
Setting accuracy of time delay	+/- 10 % av full skala på 25 °C i samsvar med IEC 61812-1
Control signal pulse width	100 ms med last i parallell typisk 30 ms typisk
Isolasjonsmotstand	100 MOhm på 500 V DC i samsvar med IEC 60664-1
Tilbakestillingstid	120 ms on de-energisation typisk
"on-load" -faktor	100 %
Strømforbruk i VA	0…0,7 VA på 12 V AC
Strømforbruk i W	0,5 W på 12 V DC
Minimum brytestrøm	10 mA på 5 V DC
Maximum svitsjestrøm	8 A AC/DC

Informasjonen som gis i denne dokumentasjonen inneholder generelle beskrivelser og/eller tekniske egenskaper av ytelsen til produktene i dokumentet.
Denne dokumentasjonen er ikke ment som en erstatning for, og må ikke brukes til å bestemme egnethet eller pålitelighet til disse produktene for spesifikke brukerapplikasjoner .
Enhver bruker eller installatør ansvarlig for å utføre egnet og fullstendig risikovurdering, analyse og testing av produktene med hensyn til aktuell bruk.
Verken Schneider Electric Industries SAS eller noen av deres datterselskaper skal være ansvarlig for misbruk av informasjonen som finnes her.

Maksimum brytespenning	250 V AC
Bryteevne	2000 VA
Operating frequency	10 Hz
Elektrisk levetid	100000 sykluser for ohmsk last (8 A på 250 V AC maksimum)
Mekanisk levetid	10000000 sykluser
Dielektrisk styrke	2,5 kV 1 mA/1 minutt 50 Hz i samsvar med IEC 61812-1
[Uimp] Nominell impulsspenning	5 kV under 1.2/50 µs
Power on delay	100 ms
Merking	CE
Krypavstand	4 kV/3 i samsvar med IEC 60664-1
Sikkerhet pålitelighet data	MTTFd = 296.8 år B10d = 270000
Monteringsposisjon	Alle posisjoner i forhold til normalplanet loddrett feste
Monteringssupport	35 mm DIN-skinne i samsvar med IEC 60715
Lokal varsling	LED indikasjon for on steady: relay energised, no timing in progress LED indikasjon 80% PÅ og 20% OFF for flashing: timing in progress LED indikasjon 5% PÅ og 95% OFF for pulsing: relay de-energised, no timing in progress (except function Di-D, Li-L)
Vekt	0,07 kg
Number of functions	10
Tidsforsinker type	A, Ac, At, B, Bw, C, D, Di, H, Ht
Funksjonalitet	Multifunksjon
Kompatibilitetskode	RE17

Miljø

Immunitet mot mikroavbrytelser	20 ms
Standarder	2006/95/EC 2004/108/EC IEC 61000-6-4 IEC 61000-6-1 IEC 61000-6-3 IEC 61812-1 IEC 61000-6-2
Produktsertifikater	CSA[RETURN]GL[RETURN]cULus
Omgivelsestemperatur for lagring	−30…60 °C
Omgivelsestemperatur drift	−20…60 °C
IP-grad	IP20 i samsvar med IEC 60529 (tilkoplingsblokk) IP40 i samsvar med IEC 60529 (kapsling) IP50 i samsvar med IEC 60529 (front panel)
Vibrasjonsmotstand	20 m/s² (f= 10…150 Hz) i samsvar med IEC 60068-2-6
Støtmotstand	15 gn for 11 ms i samsvar med IEC 60068-2-27
Relativ fuktighet	93 % uten kondens i samsvar med IEC 60068-2-30
Elektromagnetisk kompatibilitet	Immunitetstest for elektrostatisk utladning: test nivå: 6 kV (i kontakt) nivå 3 i samsvar med IEC 61000-4-2 Immunitetstest for elektrostatisk utladning: test nivå: 8 kV (i luft) nivå 3 i samsvar med IEC 61000-4-2 Mottakelig for elektromagnetiske felt: test nivå: 10 V/m (80 MHz to 1 GHz) nivå 3 i samsvar med IEC 61000-4-3 Electrical fast transient/burst immunity test: test nivå: 1 kV (kapasitiv koble klipp) nivå 3 i samsvar med IEC 61000-4-4 Electrical fast transient/burst immunity test: test nivå: 2 kV (direkte) nivå 3 i samsvar med IEC 61000-4-4 1.2/50 µs sjokkbølge immunisjonstest: test nivå: 1 kV (differensialmodus) nivå 3 i samsvar med IEC 61000-4-5 1.2/50 µs sjokkbølge immunisjonstest: test nivå: 2 kV (felles modul) nivå 3 i samsvar med IEC 61000-4-5 Gjennomført RF-forstyrrelser: test nivå: 10 V (0.15...80 MHz) nivå 3 i samsvar med IEC 61000-4-6 Spenningsfall og avbrudd immunitet test: test nivå: 0 % (en syklus) i samsvar med IEC 61000-4-11 Spenningsfall og avbrudd immunitet test: test nivå: 70 % (25/30 sykluser) i samsvar med IEC 61000-4-11 Strålt og ledet elektromagnetisme: klasse B i samsvar med EN 55022

Forpakningsinformasjon

Enhetstype pakke 1	PCE
Antall enheter i pakke 1	1
Pakke 1 Høyde	2,8 cm
Pakke 1 Bredde	8,0 cm
Pakke 1 Vekt	9,8 cm
Package 1 Weight	80,0 g
Enhetstype pakke 2	S02
Antall enheter i pakke 2	40
Pakke 2 Høyde	15,0 cm
Pakke 2 Bredde	30,0 cm
Pakke 2 Lengde	40,0 cm
Pakke 2 Vekt	3,475 kg

Bærekraftig

Produktets miljøstatus	Green Premium miljømerket produkt
REACh-regelverk	REACh-erklæring
EU RoHS-direktiv	Proaktivt i samsvar (Produktet inngår ikke i EUs RoHS direktivet)
Kvikksølvfri	Ja
Kinas RoHS-forskrift	Kinas RoHS–Erklæring
Informasjon om RoHS-unntak	Ja
Miljøinformasjon	Produktmiljøprofil
Produktets livssyklus	Informasjon Om Levetidsslutt

Logistisk informasjon

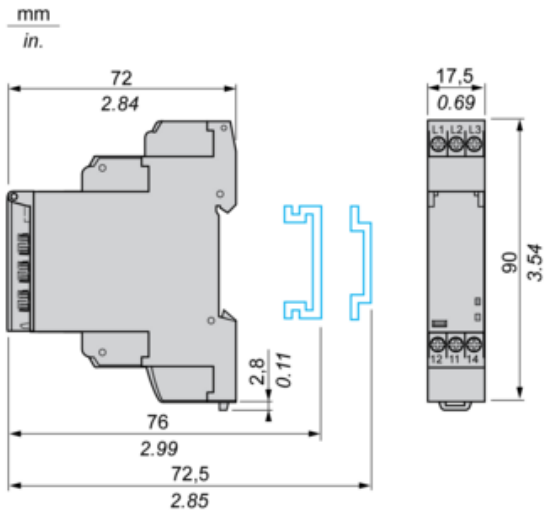
Opprinnelsesland	ID

Garantiperiode

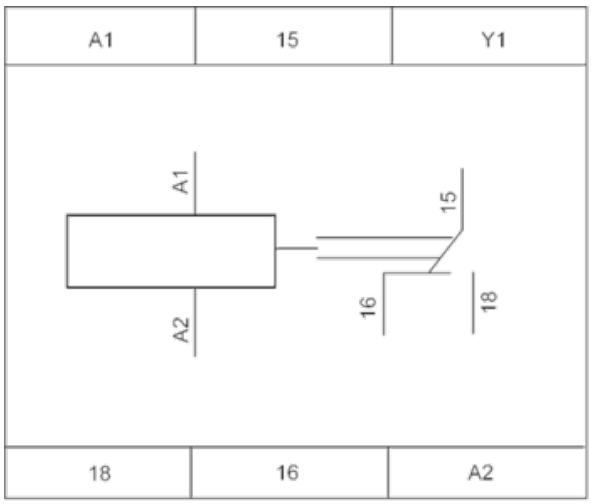
Garanti	18 måneder

RE17RMJU

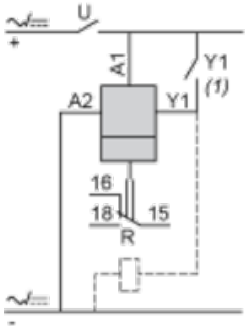
Width 17.5 mm



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.

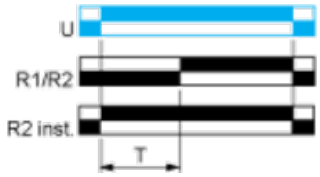
Function A : Power on Delay Relay

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



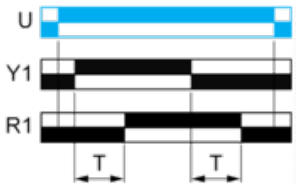
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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

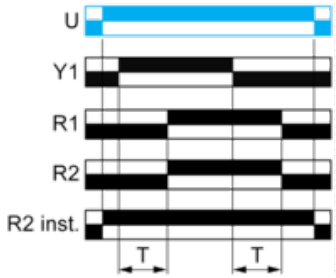
Description

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

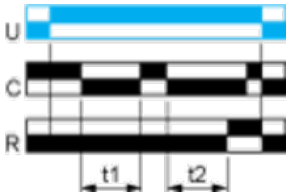


Function At : Power on Delay Relay (Summation) with Control Signal

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



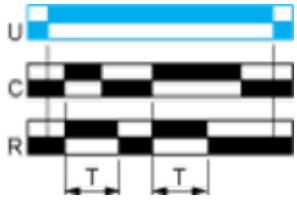
T = t1 + t2 +...

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

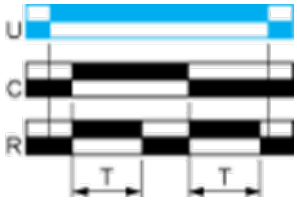


Function Bw : Double Interval Relay with Control Signal

Description

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

Function: 1 Output

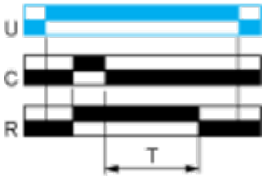


Function C : Off-Delay Relay with Control Signal

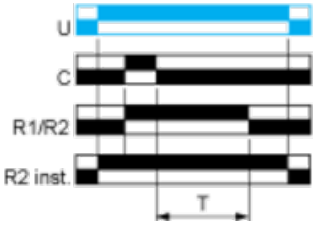
Description

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



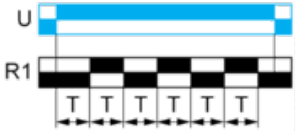
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D: Symmetrical Flashing Relay (Starting Pulse Off)

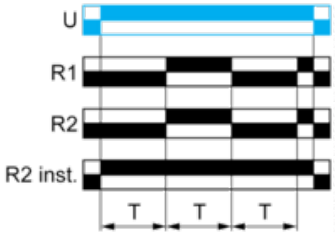
Description

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").

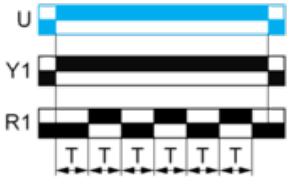
Function: 1 Output



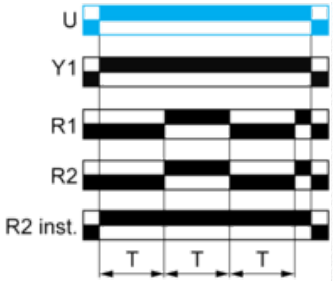
Function: 2 Outputs



Function: 1 Output with Retrigger / Restart Control



Function: 2 Output with Retrigger / Restart Control



Function Di : Symmetrical Flasher Relay (Starting Pulse On)

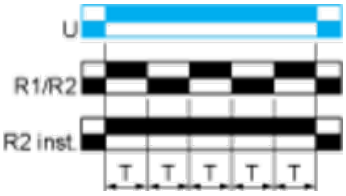
Description

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.)

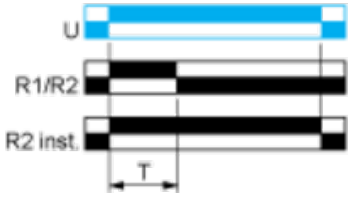
Function H : Interval Relay

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.

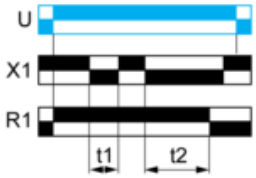
The timing can be interrupted / paused each time X1 energizes.

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.

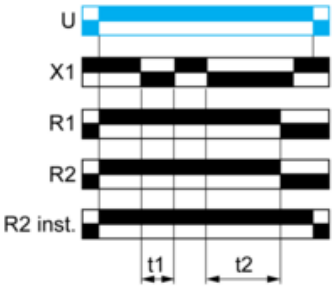
The second output (R2) can be either timed (when set to “TIMED” or instantaneous (when set to “INST”).

Function: 1 Output



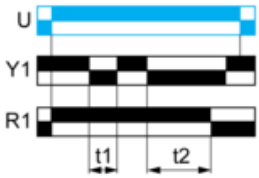
T = t1 + t2 +...

Function: 2 Outputs



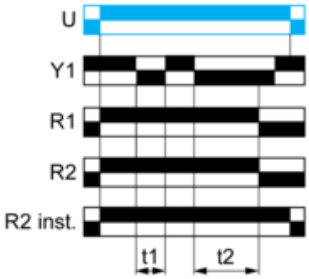
T = t1 + t2 +...

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