

# Productinformatieblad

Specificaties



## Harmony - Tijdrelais - Multifunctioneel - 0.05s-300h - 24-240V AC/DC - 2CO

RE22R2MYMR

EAN Code: 3606480792533

**Prijs: 106,60 EUR**

### Hoofd

range of product	Harmony-timerrelais
digitaal uitgangstype	Relais
product of component type	Modulaire tijdrelais
device short name	RE22
nominale uitgangsstroom	8 A

### Complementair

type en samenstelling contact	1 C/O tijd- of onmiddellijk contact, cadmiumvrij 2 C/O tijdcontact, cadmiumvrij
type tijdsvertraging	Vertraging bij inschakeling Vertraging bij uitschakeling Symmetrisch knipperend Print gegevens Star-delta
tijdvertraging bereik	3...30 min 30...300 min 0.3...3 s 3...30 h 10...100 s 1...10 s 0.05...1 s 30...300 s 30...300 h 3...30 s
besturingstype	Draaiknop Diagnostische drukknop Potentiometer extern
Us nominale voedingsspanning	24...240 V AC/DC 50/60 Hz
ingangsspanning	$\leq 2.4$ V
spanningsbereik	0,85...1,1 Us
voedingsfrequentie	50...60 Hz +/- 5 %
aansluitingen - aansluitklemmen	Schroefklemmen, 1 x 0,5...1 x 3,3 mm <sup>2</sup> (AWG 20...AWG 12) vast zonder kabeluiteinde Schroefklemmen, 2 x 0,5...2 x 2,5 mm <sup>2</sup> (AWG 20...AWG 14) vast zonder kabeluiteinde Schroefklemmen, 1 x 0,2...1 x 2,5 mm <sup>2</sup> (AWG 24...AWG 14) flexibel met kabeluiteinde Schroefklemmen, 2 x 0,2...2 x 1,5 mm <sup>2</sup> (AWG 24...AWG 16) flexibel met kabeluiteinde
aanspanmoment	0,6...1 N.m In overeenstemming met IEC 60947-1
materiaal behuizing	Polycarbonaat
herhalingsnauwkeurigheid	+/-0.5% In overeenstemming met 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

<b>temperatuurafwijking</b>	+/- 0,05 %/°C
<b>spanningsverloop</b>	+/- 0,2 %/V
<b>instelling nauwkeurigheid tijdsvertraging</b>	+/- 10% van totaal om 25 °C In overeenstemming met IEC 61812-1
<b>Time delay type</b>	<p>Vertraging bij inschakeling - A- Vertragingrelais bij inschakeling</p> <p>Vertraging bij inschakeling - Bij- Vertragingrelais bij inschakeling vermogen m/ pauze/optelling (X1)</p> <p>Vertraging bij inschakeling - Aw- Vertragingrelais bij inschakeling m/ herstarten</p> <p>Vertraging bij uitschakeling - C- Uit-vertragingrelais m/ controlesignaal</p> <p>Vertraging bij uitschakeling - Ct- Uit-vertragingrelais met controlesignaal en pauze/optelling</p> <p>Symmetrisch knipperend - D- Symmetrisch knipperend relais (start pulse-off)</p> <p>Symmetrisch knipperend - Dt- Symmetrisch knipperend relais (startpuls-uit) m/ pauze/optelling (X1)</p> <p>Symmetrisch knipperend - Dw-Symmetrisch knipperend relais (startpuls-uit) m/ heractiveren/herstarten</p> <p>Symmetrisch knipperend - Di- Symmetrisch knipperend relais (start puls-on)</p> <p>Symmetrisch knipperend - Dit- Symmetrisch knipperend relais (startpuls-on) m/ pauze/optelling (X1)</p> <p>Symmetrisch knipperend - Diw-Symmetrisch knipperend relais (startpuls-on) m/ retrigger/herstart</p> <p>Print gegevens - H- Intervalrelais</p> <p>Print gegevens - Ht- Intervalrelais m/ pauze/optelling (X1)</p> <p>Print gegevens - Hw- Intervalrelais m/ retrigger/herstart</p> <p>Star-delta - Qg- Star-delta relais (2 CO uitgangen m/ zelfde gemeenschappelijk)</p> <p>Star-delta - Qgt- Star-delta relais (2 CO uitgangen m/ zelfde gemeenschappelijk) m/ pauze/optelling</p> <p>Star-delta - Qt- Star-delta relais (2 CO uitgangen m/ split common)</p> <p>Star-delta - Qtt- Star-delta relais (2 CO-uitgangen m/ split common) m/ pauze/optelling (X1)</p> <p>Print gegevens - W- Intervalrelais met controlesignaal uit</p> <p>Print gegevens - Wt- Intervalrelais met controlesignaal uit en pauzeren/optellen</p>
<b>impulsduur</b>	100 ms met belasting in parallel 30 ms
<b>isolatieweerstand</b>	100 MOhm om 500 V DC In overeenstemming met IEC 60664-1
<b>Hersteltijd</b>	120 ms bij ontkrachtiging
<b>immuniteit voor micro-onderbrekingen</b>	10 ms
<b>maximaal energieverbruik in VA</b>	3 VA om 240 V AC
<b>maximaal energieverbruik in W</b>	1,5 W om 240 V DC
<b>schakelcapaciteit in VA</b>	2000 VA
<b>minimale schakelstroom</b>	10 mA om 5 V DC
<b>maximale schakelstroom</b>	8 A
<b>maximale schakelspanning</b>	250 V AC
<b>elektrische duurzaamheid</b>	100000 cycles, 8 A om 250 V, AC-1 100000 cycles, 2 A om 24 V, DC-1
<b>mechanical durability</b>	10000000 cycles
<b>Uimp toegekende schokgolfspanning</b>	5 kV voor 1,2...50 µs In overeenstemming met IEC 60664-1
<b>Vertraging bij inschakeling</b>	100 ms
<b>kruipweg</b>	4 kV/3 In overeenstemming met IEC 60664-1
<b>overvoltage category</b>	III In overeenstemming met IEC 60664-1
<b>betrouwbaarheidsgegevens veiligheid</b>	B10d = 160000 MTTFd = 171.2 jaar
<b>montagepositie</b>	Eender welke positie
<b>montagesteun</b>	35mm DIN rail In overeenstemming met IEC 60715

<b>status LED</b>	<p>Groen LED-achterverlichting (Vast) voor wijzerplaat indicatie</p> <p>Geel LED (Vast) voor output relais bekrachtigd</p> <p>Geel LED (snel knipperend) voor timing in progress en output relais ontkrachtigd</p> <p>Geel LED (langzaam knipperend) voor timing in progress en output relais bekrachtigd</p>
<b>functie beschikbaar</b>	<p>A- Vertragsrelais bij inschakeling-2 C/O</p> <p>Bij- Vertragsrelais bij inschakeling vermogen m/ pauze/optelling (X1)-2 C/O</p> <p>Aw- Vertragsrelais bij inschakeling m/ herstarten-2 C/O</p> <p>C- Uit-vertragsrelais m/ controlesignaal-2 C/O</p> <p>Ct- Uit-vertragsrelais met controlesignaal en pauze/optelling-2 C/O</p> <p>D- Symmetrisch knipperend relais (start pulse-off)-2 C/O</p> <p>Dt- Symmetrisch knipperend relais (startpuls-uit) m/ pauze/optelling (X1)-2 C/O</p> <p>Dw-Symmetrisch knipperend relais (startpuls-uit) m/ heractiveren/herstarten-2 C/O</p> <p>Di- Symmetrisch knipperend relais (start puls-on)-2 C/O</p> <p>Dit- Symmetrisch knipperend relais (startpuls-on) m/ pauze/optelling (X1)-2 C/O</p> <p>Diw-Symmetrisch knipperend relais (startpuls-on) m/ retrigger/herstart-2 C/O</p> <p>H- Intervalrelais-2 C/O</p> <p>Ht- Intervalrelais m/ pauze/optelling (X1)-2 C/O</p> <p>Hw- Intervalrelais m/ retrigger/herstart-2 C/O</p> <p>Qg- Star-delta relais (2 CO uitgangen m/ zelfde gemeenschappelijk)-2 C/O</p> <p>Qgt- Star-delta relais (2 CO uitgangen m/ zelfde gemeenschappelijk) m/ pauze/optelling-2 C/O</p> <p>Qt- Star-delta relais (2 CO uitgangen m/ split common)-2 C/O</p> <p>Qtt-Star-delta relais (2 CO-uitgangen m/ split common) m/ pauze/optelling (X1)-2 C/O</p> <p>W- Intervalrelais met controlesignaal uit-2 C/O</p> <p>Wt- Intervalrelais met controlesignaal uit en pauzeren/optellen-2 C/O</p>
<b>breedte</b>	22,5 mm
<b>gewicht product</b>	0,105 kg
<b>control type</b>	Met testknop
<b>Aantal functies</b>	22
<b>Omgeving</b>	
<b>doorslagvastheid</b>	2,5 kV voor 1 mA/1 minuut om 50 Hz Tussen relais uitvoer en voeding met basisisolatie In overeenstemming met IEC 61812-1
<b>standards</b>	UL 508 IEC 61812-1
<b>richtlijnen</b>	2004/108/EG - Elektromagnetische compatibiliteit 2006/95/EG - laagspanningsrichtlijn
<b>product certifications</b>	RCM CE EAC CSA CCC UL GL
<b>omgevingstemperatuur voor werking</b>	-20...60 °C
<b>ambient air temperature for storage</b>	-40...70 °C
<b>IP beschermingsgraad</b>	Behuizing: IP40 In overeenstemming met IEC 60529 Aansluitklemmen: IP20 In overeenstemming met IEC 60529 Voorpaneel: IP50 In overeenstemming met IEC 60529
<b>pollution degree</b>	3 In overeenstemming met IEC 60664-1
<b>trilling bestendigheid</b>	20 m/s <sup>2</sup> (f= 10...150 Hz) In overeenstemming met IEC 60068-2-6
<b>schokbestendigheid</b>	15 gn niet in werking voor 11 ms In overeenstemming met IEC 60068-2-27 5 gn in bedrijf voor 11 ms In overeenstemming met IEC 60068-2-27
<b>relatieve vochtigheid</b>	95 % om 25...55 °C

<b>elektromagnetische compatibiliteit</b>	Fast transients immunity test - testniveau: 1 kV niveau 3 (capacitieve verbindingsclip)
	In overeenstemming met IEC 61000-4-4
	Immunitiestest overspanning - testniveau: 1 kV niveau 3 (differentieelmodus) In overeenstemming met IEC 61000-4-5
	Immunitiestest overspanning - testniveau: 2 kV niveau 3 (gewone modus) In overeenstemming met IEC 61000-4-5
	Elektrostatische ontlading - testniveau: 6 kV niveau 3 (contactontlading) In overeenstemming met IEC 61000-4-2
	Elektrostatische ontlading - testniveau: 8 kV niveau 3 (luchtontlading) In overeenstemming met IEC 61000-4-2
	Radiofrequent elektromagnetisch veld immunitiestest - testniveau: 10 V/m niveau 3 (80 MHz...1 GHz) In overeenstemming met IEC 61000-4-3
	Geleidende RF verstoringen - testniveau: 10 V niveau 3 (0,15...80 MHz) In overeenstemming met IEC 61000-4-6
	Immunity to conducted disturbances - testniveau: 2 kV niveau 3 (direct contact) In overeenstemming met IEC 61000-4-4
	Bestand tegen micro-onderbrekingen en spanningsverlies - testniveau: 30 % (500 ms) In overeenstemming met IEC 61000-4-11
	Bestand tegen micro-onderbrekingen en spanningsverlies - testniveau: 100 % (20 ms) In overeenstemming met IEC 61000-4-11

## Verpakkingseenheid

<b>Eenheidstype van verpakking 1</b>	PCE
<b>Aantal eenheden in verpakking 1</b>	1
<b>verpakking 1 hoogte</b>	2,6 cm
<b>verpakking 1 breedte</b>	8,2 cm
<b>verpakking 1 lengte</b>	9,5 cm
<b>verpakking_1_gewicht</b>	116,0 g
<b>Eenheidstype van verpakking 2</b>	S02
<b>Aantal eenheden in verpakking 2</b>	40
<b>verpakking 2 hoogte</b>	15,0 cm
<b>verpakking 2 breedte</b>	30,0 cm
<b>verpakking 2 lengte</b>	40,0 cm
<b>verpakking 2 gewicht</b>	5,153 kg
<b>Eenheidstype van verpakking 3</b>	P06
<b>Aantal eenheden in verpakking 3</b>	640
<b>verpakking_3_hoogte</b>	75,0 cm
<b>verpakking 3 breedte</b>	60,0 cm
<b>verpakking 3 lengte</b>	80,0 cm
<b>verpakking 3 gewicht</b>	74,24 kg

## contractuele waarborg

<b>Garantie (in maanden)</b>	18
------------------------------	----

## 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? >](#)

### Milieuoetafdruk

Totale levenscyclus ecologische voetafdruk	54 kg CO2 eq.
Koolstofvoetafdruk van de fabricagefase [A1–A3]	2 kg CO2 eq.
Koolstofvoetafdruk van de distributiefase [A4]	0 kg CO2 eq.
Koolstofvoetafdruk van de installatiefase [A5]	0 kg CO2 eq.
Koolstofvoetafdruk van de gebruiksfase [B2, B3, B4, B6]	52 kg CO2 eq.
Koolstofvoetafdruk van de einde-levensfase [C1–C4]	0.1 kg CO2 eq.
Milieu Profiel	<a href="#">Milieuprofiel van het product</a>

### Use Better

#### Materialen en verpakking

Pakket met gerecycleerd karton	Ja
Verpakkingen zonder kunststof	Ja
SCIP-nummer	7bdc2711-0ad2-427c-8ece-532c5e9f09d7
RoHS-richtlijn van de EU	<a href="#">Conform door vrijstelling</a>
REACH-verordening	<a href="#">Referentie bevat zorgwekkende stoffen (SVHC) boven drempelwaarde</a>

### Use Longer

#### Levensduurverlenging

Reparatie	Nee
-----------	-----

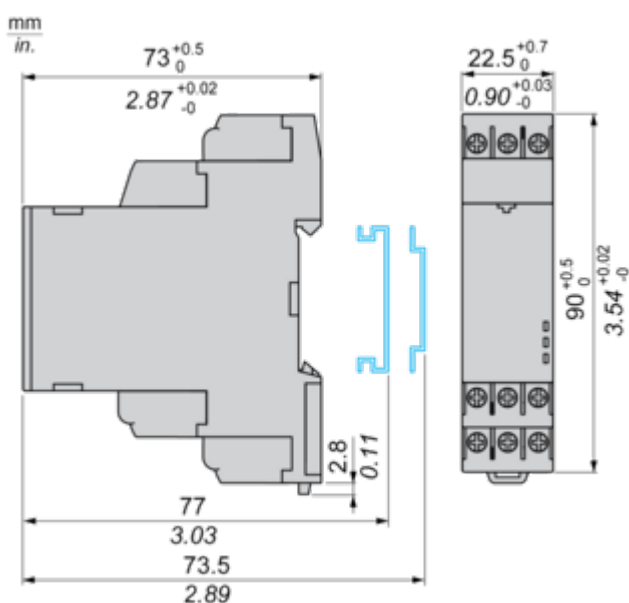
### Use Again

#### Herverpakken en herfabriceren

Circulair Profiel	<a href="#">Informatie over einde levensduur</a>
Terugname	Ja

Dimensions Drawings

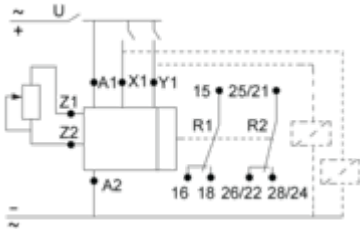
Dimensions



Connections and Schema

Wiring Diagram

---



Technical Description

**Function A: Power On-Delay**

---

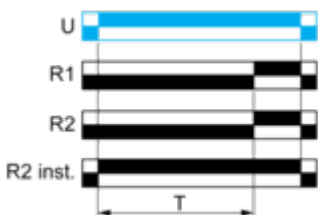
**Description**

On energisation of power supply, the timing period T starts. After timing, the output(s) R close(s). The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



**Function: 2 Outputs**

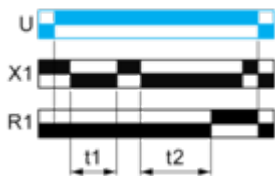


**Function At: Power On-Delay with Pause / Summation Control**

**Description**

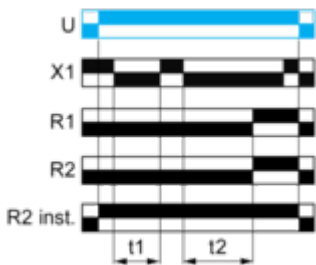
On energisation of power supply, the timing period T starts. Timing can be interrupted / paused each time X1 energizes. Except for RE17\*, RE22R2AMU, RE22R2MMW, RE22R2MMU, RE22R2MJU, timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R close(s). The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output with Pause / Summation Control**



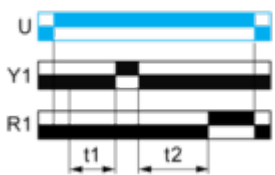
$T = t1 + t2 + \dots$

**Function: 2 Outputs with Pause / Summation Control**



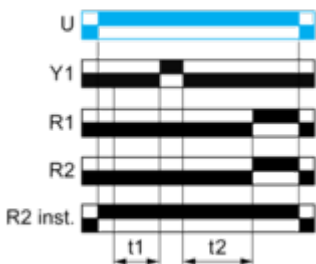
$T = t1 + t2 + \dots$

**Function: 1 Output with Retrigger / Restart Control**



$T = t1 + t2 + \dots$

**Function: 2 Outputs with Retrigger / Restart Control**



$T = t1 + t2 + \dots$

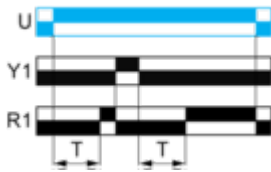
**Function Aw : Power On-Delay With Retrigger / Restart Control**

---

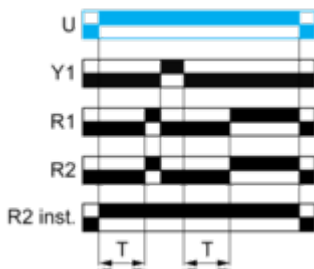
**Description**

On energisation of power supply, the timing period T starts. At the end of the timing period T, the output(s) R close(s). Energization of Y1 makes the output(s) R open(s). Deenergization of Y1 restarts timing period T. At the end of timing period T, the output(s) R close(s). The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST")

**Function: 1 Output**



**Function: 2 Outputs**



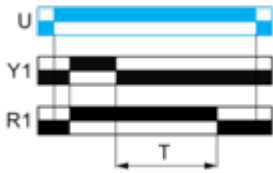
Function C: Off-Delay Relay with Control Signal

---

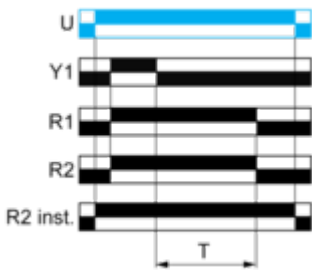
**Description**

After energisation of power supply and energization of Y1 causes output(s) R close(s). When Y1 deenergizes, 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**

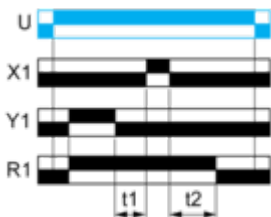


**Function Ct: Off-Delay Relay with Control Signal & With Pause / Summation Control**

**Description**

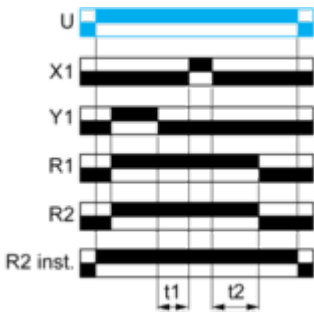
After energisation of power supply and energization of Y1 cause output(s) R close(s). When Y1 deenergizes, timing starts and the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



$T = t1 + t2 + \dots$

**Function: 2 Outputs**



$T = t1 + t2 + \dots$

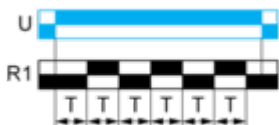
**Function D: Symmetrical Flashing Relay (Starting Pulse Off)**

---

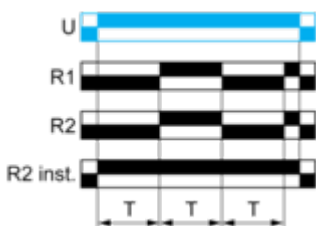
**Description**

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 indefinitely 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**



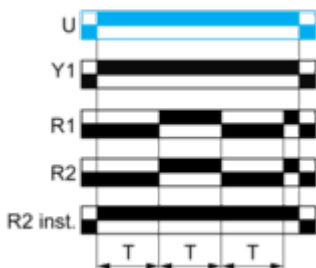
**Function: 2 Outputs**



**Function: 1 Output with Retrigger / Restart Control**



**Function: 2 Output with Retrigger / Restart Control**

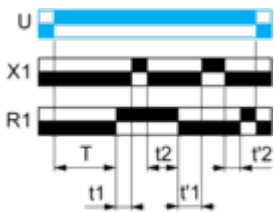


**Function Dt: Symmetrical Flashing Relay (Starting Pulse Off) & With Pause / Summation Control**

**Description**

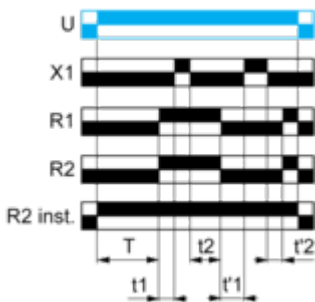
On energisation of power supply, output(s) R starts at its/their initial state for timing duration T and the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, then changes to output(s) R close(s). The output(s) R close state will remain for the same timing duration T and 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. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



$T = t1 + t2 + \dots$   
 $T = t'1 + t'2 + \dots$

**Function: 2 Outputs**



$T = t1 + t2 + \dots$   
 $T = t'1 + t'2 + \dots$

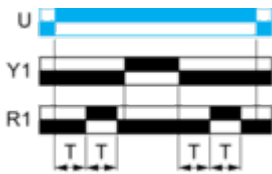
**Function DW: Symmetrical Flashing Relay (Starting Pulse Off) & With Retrigger / Restart Control**

---

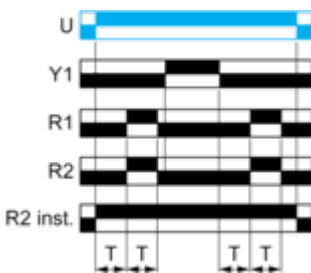
**Description**

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 indefinitely 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 Di: Symmetrical Flashing Relay (Starting Pulse On)**

---

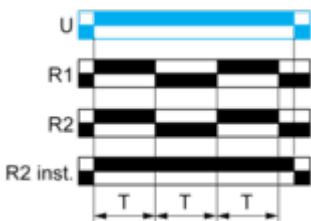
**Description**

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T then revert(s) to its/their initial state for the same timing duration T. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



**Function: 2 Outputs**

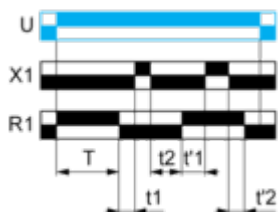


**Function Dit: Symmetrical Flashing Relay (Starting Pulse On) & With Pause / Summation Control**

**Description**

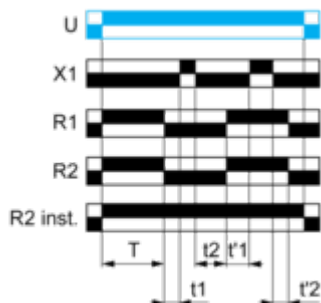
On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T and the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, then revert(s) to its/their initial state. The output(s) R at initial state will remain for the same timing duration T and 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 change(s) to close state. This cycle is repeated indefinitely until power supply removal. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



$T = t1 + t2 + \dots$   
 $T = t'1 + t'2 + \dots$

**Function: 2 Outputs**



$T = t1 + t2 + \dots$   
 $T = t'1 + t'2 + \dots$

**Function Div: Symmetrical Flashing Relay (Starting Pulse On) & With Retrigger / Restart Control**

---

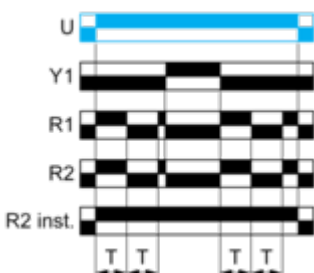
**Description**

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration T then revert(s) to its/their initial state for the same timing duration T. This cycle is repeated indefinitely until power supply removal. At any state of the output(s) R when Y1 energizes, the output(s) R will revert to its/their initial state and followed by Y1 deenergizes then restarts the same operation as described at the beginning. 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 H: Interval Relay**

---

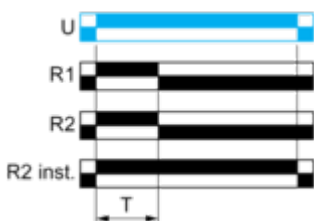
**Description**

On energisation of power supply, output(s) R close(s) and timing period T starts. At the end of the timing period T, the output(s) R revert(s) to its/their initial state. 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 Ht: Interval Relay & With Pause / Summation Control**

**Description**

On energisation of power supply, output(s) R close(s) and timing period T starts.

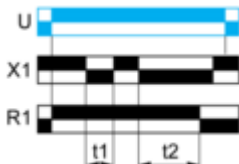
The timing can be interrupted / paused each time X1 energizes.

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.

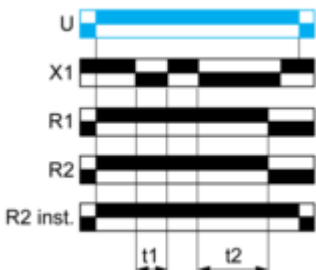
The second output (R2) can be either timed (when set to "TIMED" or instantaneous (when set to "INST").

**Function: 1 Output**



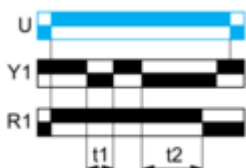
$T = t1 + t2 + \dots$

**Function: 2 Outputs**



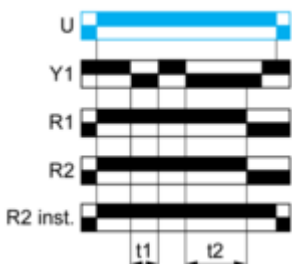
$T = t1 + t2 + \dots$

**Function: 1 Output with Retrigger / Restart Control**



$T = t1 + t2 + \dots$

**Function: 2 Outputs with Retrigger / Restart Control**



$T = t1 + t2 + \dots$

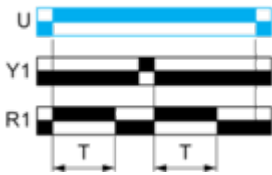
Function Hw: Interval Relay & with Retrigger / Restart Control

---

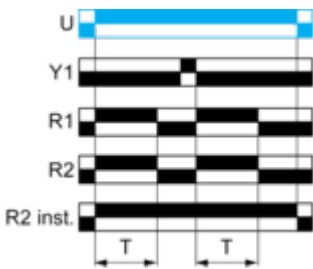
**Description**

On energisation of power supply, output(s) R close(s) and timing period T starts. At the end of the timing period T, the output(s) R revert(s) to its/their initial state. At any state of the output(s) R when Y1 energizes followed by deenergizes, the output(s) R close(s) then restarts the same operation as described at the beginning. 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 Qg: Star-Delta Relay (2 CO with same Common)**

---

**Description**

On energisation of power supply, the output R3 closes such that energizes STAR CONTACTOR + MAIN CONTACTOR and the timing T starts (STAR connection time duration starts).At the end of the timing period T, the output R3 reverts to its initial state such that deenergizes STAR CONTACTOR and causes t transition time starts.At the end of the transition time, the output R4 closes such that energizes DELTA CONTACTOR. Diagnostic feature not available.

**Function: 2 Outputs**



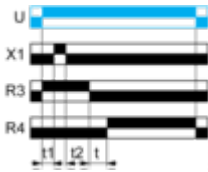
t : 20, 40, 60, 80, 100, 120, 140 ms

**Function Qgt: Star-Delta Relay (2 CO with same common) with Pause / Summation Control**

**Description**

On energisation of power supply, the output R3 closes such that energizes STAR CONTACTOR + MAIN CONTACTOR and the timing T starts (STAR connection time duration starts). During STAR connection time, the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, R3 reverts to its initial state such that deenergizes STAR CONTACTOR and causes t transition time starts. At the end of the transition time, the output R4 closes such that energizes DELTA CONTACTOR. Diagnostic feature not available.

**Function: 2 Outputs**



$T = t1 + t2 + \dots$

**NOTE:** RE22R2MYMR is with fixed transition time, t: 50ms

**Function Qt: Star-Delta Relay (2 CO with Split Common)**

---

**Description**

On energisation of power supply, the output R3 & R4 initializes at its initial state such that energizes STAR CONTACTOR + MAIN CONTACTOR and the timing T starts (STAR connection time duration starts). At the end of the timing period T, the output R3 closes such that deenergizes STAR CONTACTOR and causes t transition time starts. At the end of the transition time, the output R4 closes such that energizes DELTA CONTACTOR. Diagnostic feature not available.

**Function: 2 Outputs**



t : 20, 40, 60, 80, 100, 120, 140 ms

**Function Qtt: Star-Delta Relay (2 CO with same common) with Pause / Summation Control**

**Description**

On energisation of power supply, the output R3 & R4 initializes at its initial state such that energizes STAR CONTACTOR + MAIN CONTACTOR and the timing T starts (STAR connection time duration starts). During STAR connection time, 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 R3 closes such that deenergizes STAR CONTACTOR and causes t transition time starts. At the end of the transition time, the output R4 closes such that energizes DELTA CONTACTOR. Diagnostic feature not available.

**Function: 2 Outputs**



$T = t1 + t2 + \dots$

**NOTE:** RE22R2MYMR is with fixed transition time, t: 50ms

**Function W: Interval Relay with Control Signal Off**

---

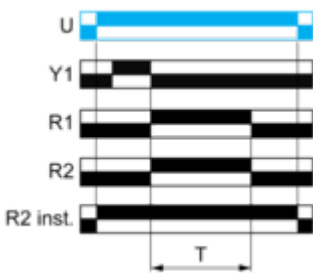
**Description**

After energisation of power supply and on energization of Y1 following by denergization of Y1, the output(s) R close(s) and starts the timing T. At the end of the timing period, the output(s) R revert(s) to its/their initial state. 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 Wt: Interval Relay with Control Signal Off & with Pause / Summation Control**

**Description**

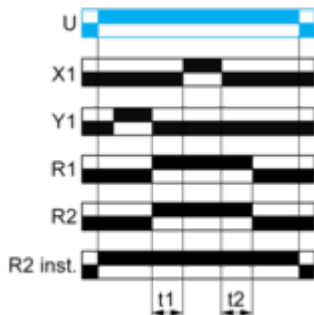
After energisation of power supply and on energization of Y1 following by deenergization of Y1, the output(s) R close(s) and starts the timing T. Timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



$T = t1 + t2 + \dots$

**Function: 2 Outputs**



$T = t1 + t2 + \dots$

**Legend**

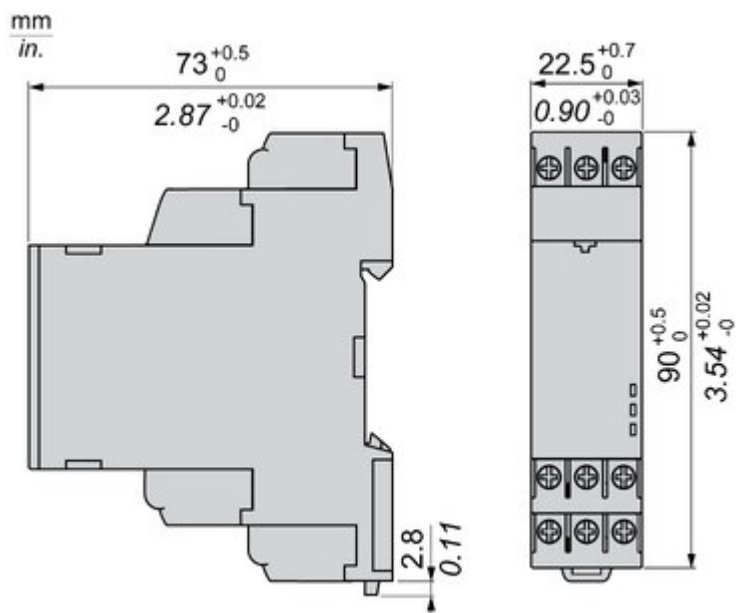
- Relay de-energised
- Relay energised
- Output open
- Output closed

U -	Supply
R1/R2 -	2 timed outputs
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
X1 -	Pause / Summation control
Y1 -	Retrigger / Restart control
X2 -	Function Selection
R2 inst. -	The second output is instantaneous if the right position is selected
T -	Timing period

R4 -	Delta contact output
t -	Delay to switch ON Delta contact output
R3 -	Star-Delta contact output

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
- 

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

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

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

---





