



Statut commercial: Commercialisé



Principales

Gamme de produits	Zelio Time
Fonction produit	Relais de temporisation modulaire
Type de sortie TOR	Relais
Nom abrégé de l'appareil	RE22
Courant de sortie nominal	8 A

Complémentaires

Description des contacts	1 F/O contact temporisé, sans cadmium
Type de temporisation	Dt Aw Dw Ct Dit W At A D Di Hw Ht Wt H C.A. Act C Diw
Domaine de réglage de la temporisation	3...30 H 30...300 H 0,05...1 s 30...300 s 3...30 min 0,3...3 s 3...30 s 10...100 s 30...300 min 1...10 s
Type de commande	Bouton rotatif Bouton de diagnostic Externe potentiomètre
[Us] tension d'alimentation	24...240 V AC/DC à 50/60 Hz
Tension d'entrée	<= 2,4 V
Plage d'utilisation en tension	0,85 à 1,1 Us
Fréquence d'alimentation	50...60 Hz (+/- 5 %)
Mode de raccordement	Bornes à vis : 1 x 0,5 à 1 x 3,3 mm ² , AWG 20 à AWG 12 rigide câble sans embout Bornes à vis : 2 x 0,5 à 2 x 2,5 mm ² , AWG 20 à AWG 14 rigide câble sans embout Bornes à vis : 1 x 0,2 à 1 x 2,5 mm ² , AWG 24...AWG 14 souple câble avec embout Bornes à vis : 2 x 0,2 à 2 x 1,5 mm ² , AWG 24 à AWG 16 souple câble avec embout
Couple de serrage	0,6...1 N.m se conformer à IEC 60947-1

Matière du boîtier	Auto-extinguible
Précision de répétition	+/-0,5% se conformer à IEC 61812-1
Dérive en température	+/- 0,05 %/°C
Dérive en tension	+/- 0,2 %/V
Réglage exact du temps de retard	+/- 10 % pleine échelle à 25 °C se conformer à IEC 61812-1
Durée minimale de l'impulsion	100 ms (avec charge en parallèle) 30 ms
Résistance d'isolement	100 MΩ à 500 V CC se conformer à IEC 60664-1
Temps de reset	120 ms (sur désexcitation)
Immunité aux micro-coupures	<= 10 ms
Puissance consommée en VA	3 VA à 240 V AC
Puissance consommée en W	1.5 W at 240 V
Capacité de commutation en VA	2000 VA
Courant commuté minimum	10 mA 5 V CC
Courant commuté maximum	8 A
Tension de coupure maximale	250 V AC
Durée de vie électrique	100000 cycle pour 8 A à 250 V AC-1 100000 cycle pour 2 A à 24 V DC-1
Durée de vie mécanique	10000000 cycle
[Uimp] tension assignée de tenue aux chocs	5 kV pour 1.2...50 µs se conformer à IEC 60664-1
Retard réponse	< 100 ms
Distance de fuite	4 kV/3 se conformer à IEC 60664-1
Catégorie de surtension	III se conformer à IEC 60664-1
Données de fiabilité de la sécurité	MTTFd = 205,4 années B10d = 190000
Position de montage	Toutes positions
Support de montage	Rail DIN 35 mm se conformer à EN/IEC 60715
État LED	Vert rétro-éclairage à DEL (fixe) pour indication de l'aiguille du cadran Jaune LED (fixe) pour relais de sortie sous tension Jaune LED (clignotement rapide) pour temporisation en cours et relais de sortie-hors tension Jaune LED (clignotement lent) pour temporisation en cours et relais de sortie-sous tension
Largeur	22,5 mm
Poids	0.1 kg
Type de temporisation	A, Ac, Act, At, Aw, C, Ct, D, Di, Dit, Diw, Dt, Dw, H, Ht, Hw, W, Wt
Type et composition des contacts	1 C/O
Fonctionnalité	Multifonction

Environnement

Tenue diélectrique	2,5 kV pour 1 mA/1 minute à 50 Hz entre sortie de relais et alimentation avec isolement de base se conformer à IEC 61812-1
Normes	IEC 61812-1 UL 508
Directives	2004/108/CE - compatibilité électromagnétique 2006/95/CE - directive basse tension
Certifications du produit	CCC EAC China RoHS CE CSA GL RCM UL
Température de fonctionnement	-20...60 °C
Température ambiante pour le stockage	-40...70 °C
Degré de protection IP	IP20 (bornes) se conformer à IEC 60529 IP40 (enveloppe) se conformer à IEC 60529 IP50 (face avant) se conformer à IEC 60529
Degré de pollution	3 se conformer à IEC 60664-1
Tenue aux vibrations	20 m/s ² (f = 10...150 Hz) se conformer à IEC 60068-2-6

Tenue aux chocs mécaniques	15 gn (non fonctionnant) (durée = 11 ms) se conformer à IEC 60068-2-27 5 gn (en marche) (durée = 11 ms) se conformer à IEC 60068-2-27
Humidité relative	95 % à 25...55 °C
Compatibilité électromagnétique	<p>Test d'immunité des transitoires rapides (niveau de test: 1 kV, niveau 3 - clip de-connexion capacitive) se conformer à IEC 61000-4-4</p> <p>Test d'immunité aux surtensions (niveau de test: 1 kV, niveau 3 - mode différentiel) se conformer à IEC 61000-4-5</p> <p>Test d'immunité aux surtensions (niveau de test: 2 kV, niveau 3 - mode commun) se conformer à IEC 61000-4-5</p> <p>Décharge electrostatique (niveau de test: 6 kV, niveau 3 - décharge par contact) se conformer à IEC 6100-4-11</p> <p>Décharge electrostatique (niveau de test: 8 kV, niveau 3 - décharge-dans l'air) se conformer à IEC 6100-4-11</p> <p>Test d'immunité aux champs électromagnétiques radio-fréquences rayonnés (niveau de test: 10 V/m, niveau 3 - 80 MHz...1 GHz) se conformer à IEC 61000-4-3</p> <p>Perturbations RF transmises par conduction (niveau de test: 10 V, niveau 3 - 0,15 à 80 MHz) se conformer à IEC 61000-4-6</p> <p>Transitoire rapide en salves (niveau de test: 2 kV, niveau 3 - contact direct) se conformer à IEC 61000-4-4</p> <p>Immunité aux micro-coupures et baisses de tension (niveau de test: 30 % - 500 ms) se conformer à IEC 61000-4-11</p> <p>Immunité aux micro-coupures et baisses de tension (niveau de test: 100 % - 20 ms) se conformer à IEC 61000-4-11</p>

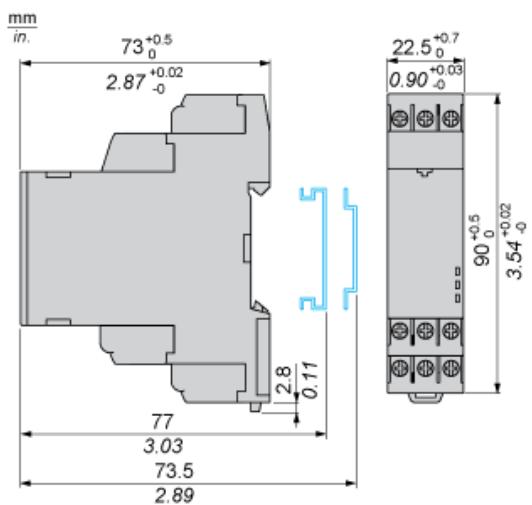
Durabilité de l'offre

Statut environnemental	Produit Green Premium
RoHS (code date: AnnéeSemaine)	Conforme - depuis 1520 - Déclaration de conformité Schneider Electric  Déclaration de conformité Schneider Electric
REACH	Référence ne contenant pas de SVHC au-delà du seuil
Profil environnemental du produit	Disponible
Instructions de fin de vie du produit	Disponible

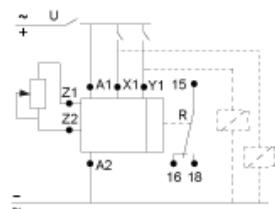
Garantie contractuelle

Période	18 mois
---------	---------

Dimensions



Wiring Diagram



Function A: Power On-Delay

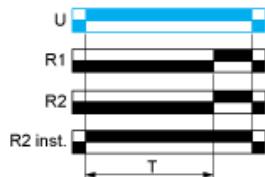
Description

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 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.

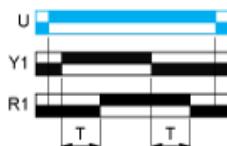
At the end of this timing period, the output(s) R close(s).

When deenergization of Y1, the timing T starts.

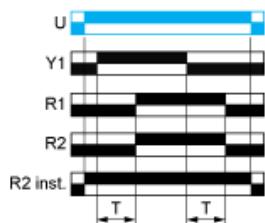
At the end of this timing period T, the output(s) R revert(s) to its/their initial position.

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

Function: 1 Output



Function: 2 Outputs

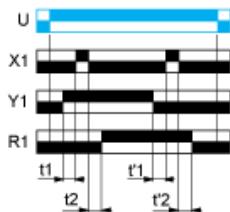


Function Act: On-Delay & Off-Delay with Control Signal & With Pause / Summation Control

Description

After energisation of power supply and energization of Y1 causes the timing period T to start 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 close(s). When deenergization of Y1, the timing T 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 position. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

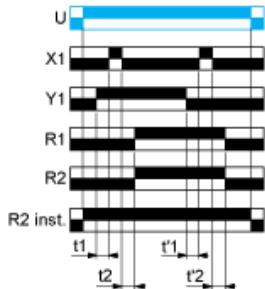
Function: 1 Output



$$T = t_1 + t_2 + \dots$$

$$T = t'_1 + t'_2 + \dots$$

Function: 2 Outputs



$$T = t_1 + t_2 + \dots$$

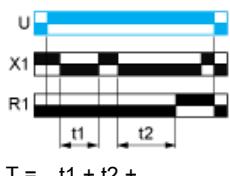
$$T = t'_1 + t'_2 + \dots$$

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

Description

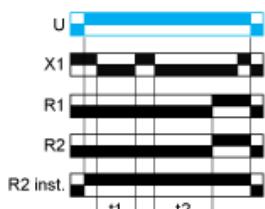
On energisation of power supply, the timing period T starts. Timing can be interrupted / paused each time X1 energizes. Except for RE17*, RE22R2AMU, RE22R2MMW, RE22R2MMU, RE22R2MJU, timing can be interrupted / paused each time Y1 energizes. When the cumulative total of time periods elapsed reaches the 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



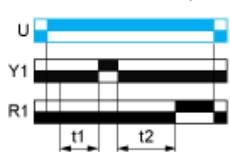
$$T = t_1 + t_2 + \dots$$

Function: 2 Outputs with Pause / Summation Control



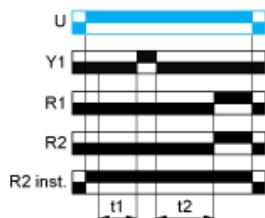
$$T = t_1 + t_2 + \dots$$

Function: 1 Output with Retrigger / Restart Control



$$T = t_1 + t_2 + \dots$$

Function: 2 Outputs with Retrigger / Restart Control



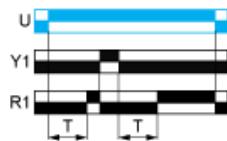
$$T = t_1 + t_2 + \dots$$

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

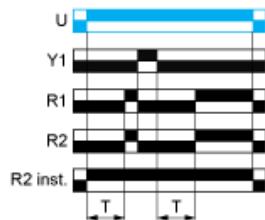
Description

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

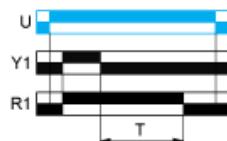


Function C: Off-Delay Relay with Control Signal

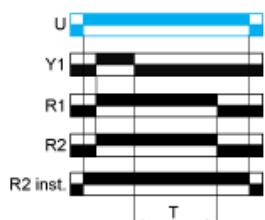
Description

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

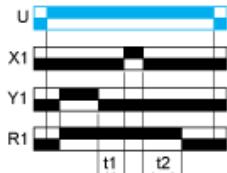


Function Ct: Off-Delay Relay with Control Signal & With Pause / Summation Control

Description

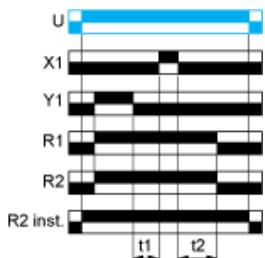
After energisation of power supply and energization of Y1 cause output(s) R close(s). When Y1 deenergizes, timing starts and the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their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

Function: 1 Output



$$T = t_1 + t_2 + \dots$$

Function: 2 Outputs



$$T = t_1 + t_2 + \dots$$

Function D: Symmetrical Flashing Relay (Starting Pulse Off)

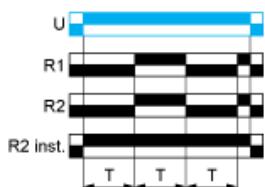
Description

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").

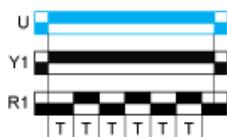
Function: 1 Output



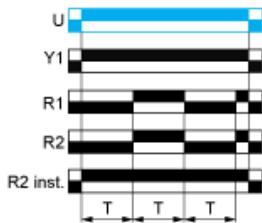
Function: 2 Outputs



Function: 1 Output with Retrigger / Restart Control



Function: 2 Output with Retrigger / Restart Control

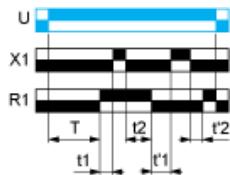


Function Dt: Symmetrical Flashing Relay (Starting Pulse Off) & With Pause / Summation Control

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").

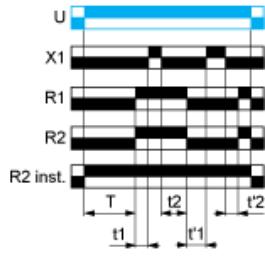
Function: 1 Output



$$T = t_1 + t_2 + \dots$$

$$T = t'_1 + t'_2 + \dots$$

Function: 2 Outputs



$$T = t_1 + t_2 + \dots$$

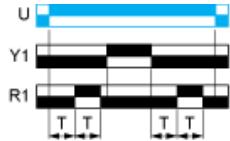
$$T = t'_1 + t'_2 + \dots$$

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

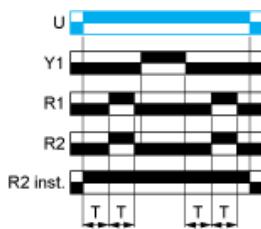
Description

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)

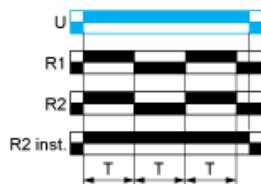
Description

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

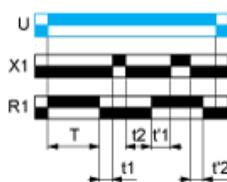


Function DIT: Symmetrical Flashing Relay (Starting Pulse On) & With Pause / Summation Control

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").

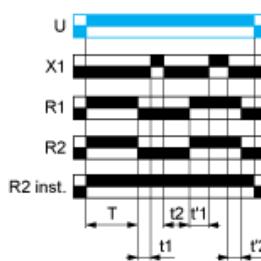
Function: 1 Output



$$T = t_1 + t_2 + \dots$$

$$T = t'_1 + t'_2 + \dots$$

Function: 2 Outputs



$$T = t_1 + t_2 + \dots$$

$$T = t'_1 + t'_2 + \dots$$

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

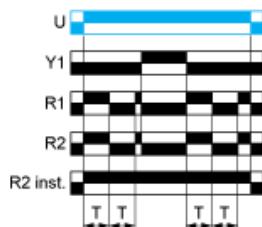
Description

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

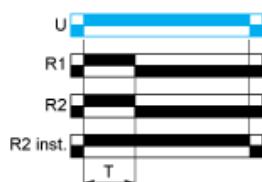
Description

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

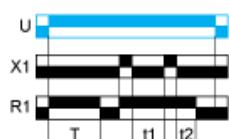


Function Ht: Interval Relay & With Pause / Summation Control

Description

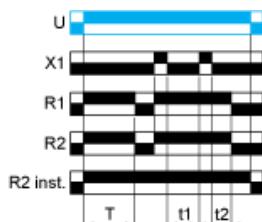
On energisation of power supply, output(s) R close(s) and timing period T starts. The timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state. Reenergization of X1 will 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*, RE22R2AMU, RE22R2MMW, RE22R2MMU, 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



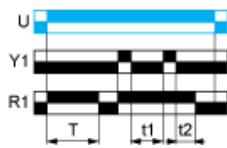
$$T = t_1 + t_2 + \dots$$

Function: 2 Outputs



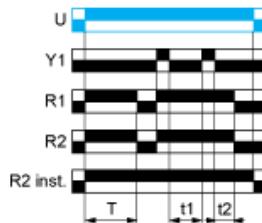
$$T = t_1 + t_2 + \dots$$

Function: 1 Output with Retrigger / Restart Control



$$T = t_1 + t_2 + \dots$$

Function: 2 Output with Retrigger / Restart Control



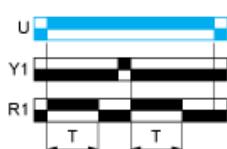
$$T = t_1 + t_2 + \dots$$

Function Hw: Interval Relay & with Retrigger / Restart Control

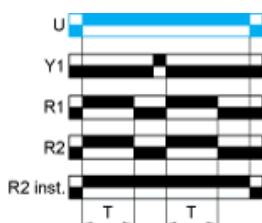
Description

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

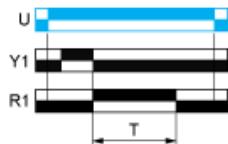


Function W: Interval Relay with Control Signal Off

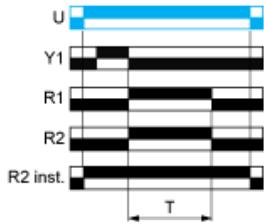
Description

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. 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

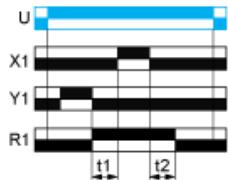


Function Wt: Interval Relay with Control Signal Off & with Pause / Summation Control

Description

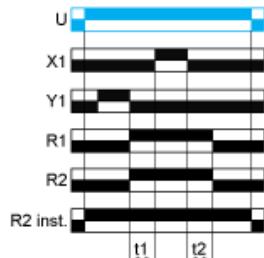
After energisation of power supply and on energization of Y1 following by deenergization of Y1, the output(s) R close(s) and starts the timing T. Timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) 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



$$T = t_1 + t_2 + \dots$$

Function: 2 Outputs



$$T = t_1 + t_2 + \dots$$

Legend

- Relay de-energised
 - Relay energised
 - Output open
 - Output closed
- U - Supply
R1/R2 - 2 timed outputs
X1 - Pause / Summation control
Y1 - Retrigger / Restart control
R2 inst. The second output is instantaneous if the right position is selected
T - Timing period