

# Chronos 2 timers

## → 22.5 mm DIN rail mounting

- Multi-function or mono-function
- Multi-range
- Multi-voltage
- Screw or spring terminals
- LED status indicator
- Option of connecting an external power supply to the control input
- 3-wire sensor control option

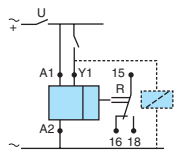


### Specifications

Type	Functions	Output	Nominal rating	Connections	Supply voltage	Code
TUR1	A - At - B - C - H - Ht - Di - D - Ac - Bw	1 changeover relay	8 A	Screw terminals	24V DC / 24 → 240 V AC	88 865 105
TAR1	A - At	1 changeover relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 115
TBR1	B	1 changeover relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 125
TCR1	C	1 changeover relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 135
THR1	H - Ht	1 changeover relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 145
TLR1	Li - L	1 changeover relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 155
TQR1	Q	1 changeover relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 175
TUR4	A - At - B - C - H - Ht - Di - D - Ac - Bw	1 changeover relay	8 A	Screw terminals	24V DC / 24 → 240 V AC	88 865 100
TUR3	A - At - B - C - H - Ht - Di - D - Ac - Bw	1 changeover relay	8 A	Screw terminals	12 → 240 V AC / DC	88 865 103
TURc3	A - At - B - C - H - Ht - Di - D - Ac - Bw	1 changeover relay	8 A	Spring terminals	12 → 240 V AC / DC	88 865 503
TXR1	Ad - Ah - N - O - P - Pt - TL - Tt - W	1 change over relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 185
TU2R1	A - At - B - C - H - Ht - Di - D - Ac - Bw	2 timed changeover relays including 1 instantaneous	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 305
TA2R1	A - At	2 changeover relays	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 215
TK2R1	K	2 change over relays	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 265
TU2R4	A - At - B - C - H - Ht - Di - D - Ac - Bw	2 timed changeover relays including 1 instantaneous	8 A	Screw terminals	12 V AC / DC	88 865 300
TQR6	Q : Star / Delta	1 change over relay	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 176
TU2R3	A, B, C, H, Di, Ac, Bw + (At, Ht, D)	2 timed changeover relays including 1 instantaneous	8 A	Screw terminals	12 → 230 V AC	88 865 303
TX2R1	Ad - Ah - N - O - P - Pt - TL - Tt - W	2 timed changeover relays including 1 instantaneous	8 A	Screw terminals	24 V DC / 24 → 240 V AC	88 865 385

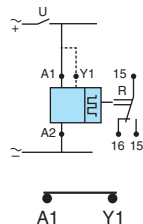
### Connections

#### 1 changeover relay output



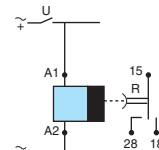
A - At - B - C - H - Ht - Di - D - Ac - Bw - Ad - Ah - N - O - P - Pt - TL - Tt -

#### 1 changeover relay output



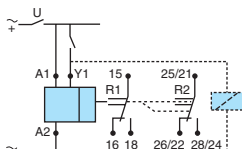
Li - L

#### 1 changeover relay output



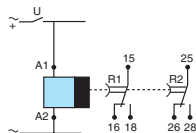
Q

#### 2 changeover relay outputs



A - At - B - C - H - Ht - Di - D - Ac - Bw - Ad - Ah - N - O - P - Pt - TL - Tt - W

#### 2 changeover relay outputs

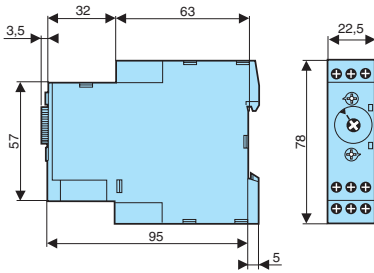


K

### General characteristics

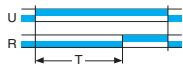
see page 45

## Dimensions



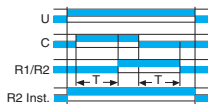
## Curves

### Function A



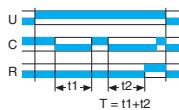
Delay on energisation

### Function Ac



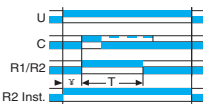
Timing after closing and opening of control contact 2 timers or 2 relays, including 1 instantaneous

### Function At



Timing on energisation with memory 1 relay output

### Function B



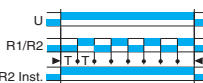
Timing on impulse one shot with 2 timed outputs or 1 timed and 1 instantaneous

### Function C



Timing after impulse 1 timer

### Function D



Flip-flop Pulse start with 2 timed outputs or 1 timed and 1 instantaneous

### Function A



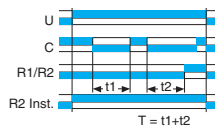
Delay on energisation with 2 timed outputs or 1 timed and 1 instantaneous

### Function Ad



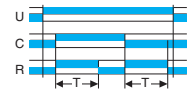
Delay on energisation by switch (non resettable)

### Function At



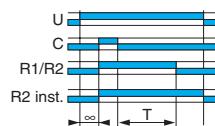
Timing on energisation with memory with 2 timed outputs or 1 timed and 1 instantaneous

### Function Bw



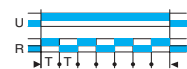
Pulse output (adjustable) 1 relay output

### Function C



Timing after impulse with 2 timed outputs or 1 timed and 1 instantaneous

### Function Di



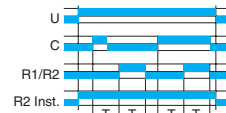
Flip-flop 1 relay output Pulse start

### Function Ac



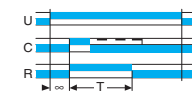
Timing after closing and opening of control contact 1 relay

### Function Ah



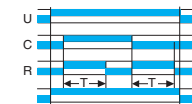
Flashing single cycle by switch (non resettable) 1 relay

### Function B



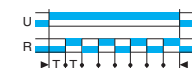
Timing on impulse one shot 1 relay output

### Function Bw



Pulse output (adjustable) with 2 timed outputs or 1 timed and 1 instantaneous

### Function D



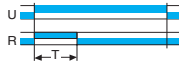
Flip-flop 1 relay output Pause start

### Function Di



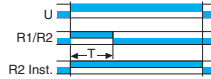
Flip-flop Pulse start with 2 timed outputs or 1 timed and 1 instantaneous

**Function H**



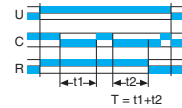
Timing on energisation 1 relay output

**Function H**



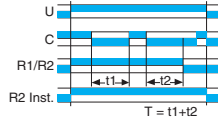
Timing on energisation with 2 timed outputs or 1 timed and 1 instantaneous

**Function Ht**



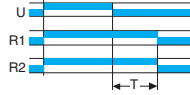
Delay on energisation with memory 1 relay output

**Function Ht**



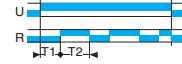
Delay on energisation with memory with 2 timed outputs or 1 timed and 1 instantaneous

**Function K**



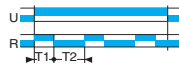
Delay on de-energisation True delay OFF 2 relay outputs

**Function L**



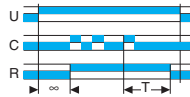
Asymmetrical recycler 1 relay output Pause start

**Function Li**



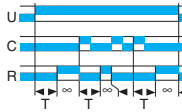
Asymmetrical recycler 1 relay output Pulse start

**Function N**



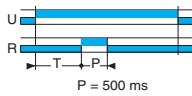
Safe-guard

**Function O**



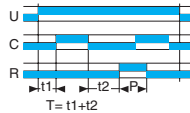
Delayed safe-guard

**Function P**



Delayed fixed-length pulse 1 relay output

**Function Pt**



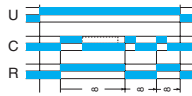
Impulse counter (delay on)

**Function Q**



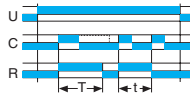
Star-delta

**Function TI**



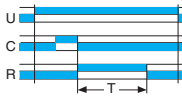
Impulse relay output

**Function Tt**



Timed impulse relay output

**Function W**



Timing after pulse on control contact