

## Features

- Single-function time relays are suitable for universal use in automation, control and regulation or in house installations where there is a clear function requirement in advance.
- All functions initiated by the supply voltage can use the control input to inhibit the ongoing delay (pause).
- Universal supply voltage AC/DC 12 – 240 V.
- Time scale 0.1 s - 100 h divided into 10 ranges:
- (0.1 - 1 s / 1 - 10 s / 3 - 30 s / 6 - 60 s / 1 - 10 min / 3 - 30 min / 6 - 60 min / 1 - 10 h / 3 - 30 h / 10 - 100 h).
- Output contact: 1× changeover / SPDT 16 A
- Multifunction red LED flashes or shines depending on the operating state.

## RS PRO Family Name

0360688



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

- *Single-function time relays are suitable for universal use in automation, control and regulation or in house installations where there is a clear function requirement in advance.*
- *Choice of four types function: ZR, ZN, BL, OD*
- *All functions initiated by the supply voltage can use the control input to inhibit the ongoing delay (pause).*
- *Universal supply voltage AC/DC 12 – 240 V.*
- *Time scale 0.1 s - 100 h divided into 10 ranges:*
  - *- 1 s / 1 - 10 s / 3 - 30 s / 6 - 60 s / 1 - 10 min / 3 - 30 min / 6 - 60 min / 1 - 10 h / 3 - 30 h / 10 - 100 h).*
- *Output contact 1× changeover / SPDT 16 A*
- *Multifunction red LED flashes or shines depending on the operating state.*

## Pover supply

<b>Supply terminals:</b>	A1-A2
<b>Supply voltage:</b>	AC/DC 12 – 240 V (AC 50-60 Hz)
<b>Consumption (max.):</b>	2 VA/1.5 W
<b>Supply voltage tolerance:</b>	– 15 %; + 10 %
<b>Supply voltage indication:</b>	green LED

## Time circuit

<b>Time ranges:</b>	0.1 s - 100 h
<b>Time setting:</b>	rotary switch and potentiometer
<b>Time deviation:</b>	5 % – mechanical setting
<b>Repeat accuracy:</b>	0.2 % – set value stability
<b>Temperature coefficient:</b>	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)

## Output

<b>Contact type 1:</b>	1× changeover/SPDT (AgNi)
<b>Current rating:</b>	16 A/AC1; PD. B300
<b>Breaking capacity:</b>	4000 VA/AC1, 384 W/DC1
<b>Electrical life (AC1):</b>	100.000 ops.
<b>Switching voltage:</b>	250 V AC/24 V DC
<b>Power dissipation (max.):</b>	1.2 W
<b>Mechanical life:</b>	10.000.000 ops.

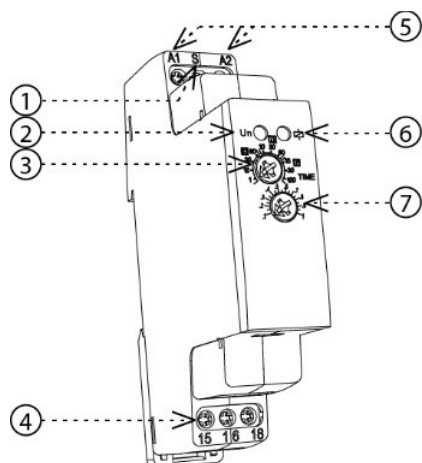
## Control

<b>Control terminals:</b>	A1-S
<b>Load between S-A2:</b>	Yes
<b>Impulse length:</b>	min. 25 ms/max. unlimited
<b>Reset time:</b>	max. 150 ms

## Other information

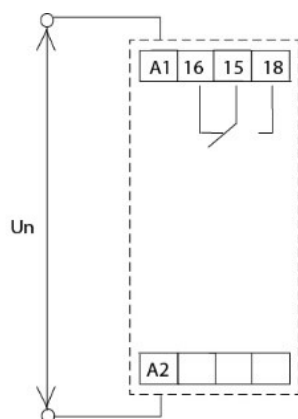
<b>Operating temperature:</b>	-20 .. +55 °C (-4 .. 131 °F)
<b>Storage temperature:</b>	-30 .. +70 °C (-22 .. 158 °F)
<b>Dielectric strength supply - output:</b>	AC 4 kV
<b>Operating position:</b>	any
<b>Mounting:</b>	DIN rail EN 60715
<b>Protection degree:</b>	IP40 front panel/IP20 terminals
<b>Overvoltage category:</b>	III.
<b>Pollution degree:</b>	2
<b>Cross-wire section – solid/ stranded with ferrule (mm²):</b>	max. 1× 2.5, 2× 1.5/ max. 1× 2.5 (AWG 12)
<b>Dimensions:</b>	90 × 17.6 × 64 mm (3.5" × 0.7" × 2.5")
<b>Weight:</b>	61 g (2.2 oz)
<b>Standards:</b>	EN 61812-1

## Approvals

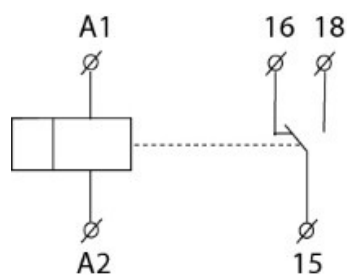


1. Ovládací vstup (S)
2. Indikácia napájacieho napätia
3. Nastavenie časového rozsahu
4. Výstupný kontakt 1 (15-16-18)
5. Svorky napájacieho napätia (A1-A2)
6. Indikácia prevádzkových stavov
7. Jemné nastavenie času

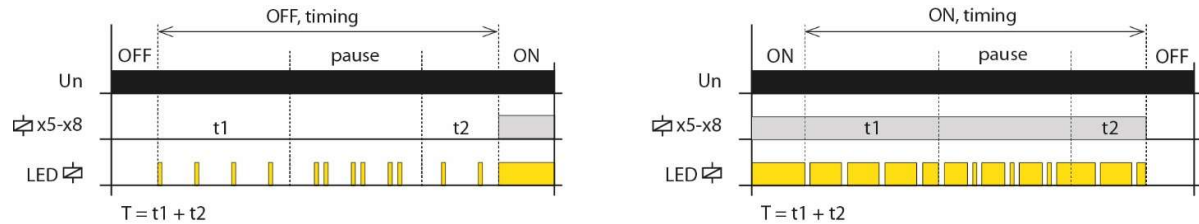
## Connection



## Symbol

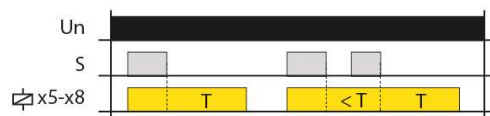


## Indications of operating states



## Function

### OD: OFF DELAY



When the supply voltage "Un" is applied, the output contact(s) "x5-x8" are opened. If the control input "S" is closed, the output contact(s) "x5-x8" will closes as well. If the control input "S" is opened, the time delay "T" starts. The output contact(s) "x5-x8" will open after the delay has elapsed. If the control input "S" is re-closed during the delay, the time delay "T" is reset and will start from beginning when the control input "S" is re-opened. If the supply voltage "Un" is disconnected, the output contact(s) "x5-x8" open and the function is reset.