

Time Relay Type 910



- easy operating over decade keyboard
- no external voltage supply, because of internal replaceable lithium battery
- high contrast, 2-line LCD-Display, 5-digit, with many symbols for easy operation and reading
- 9 programmable time ranges from 0.20 seconds up to 99 999 hours
- resolution up to 0.01 seconds
- inputs for start and reset
 - universal inputs for 12 ... 260 V AC/DC
- 8 timing modes
 - ON DELay, OFF DELay, One shot and Single Shot
 - Repeat cycle modes: Delay, Cycle, Symmetrical delay
- 3 programmable activation modes
- Relay contacts rated at 8 A programmable to NO or NC
- protection IP 65
- plug-in connector

Technical data:

Voltage supply:	2 x 3 V ½AA replaceable lithium battery, service life > 10 years or 500 000 relay changes
Timing and Reset inputs:	12 ... 260 V AC/DC, impedance 180 kΩ min. impulse 20 ms, (optocoupler)
Display (time):	5-digit LCD-Display; 6.5 mm high
(set time, mode)	5-digit LCD-Display; 3.5 mm high
Accuracy:	+50/-20 ms respectively 0,5 % of setting time (higher value counts)
Repetition accuracy:	0.3 % of setting time
Operating temperature:	-10 ... +60 °C
Storage temperature:	-20 ... +70 °C
Relative humidity:	80 % max. up to 31 °C; decreasing to max. 50 % at 40 °C
Protection	IP 65 with delivered seal

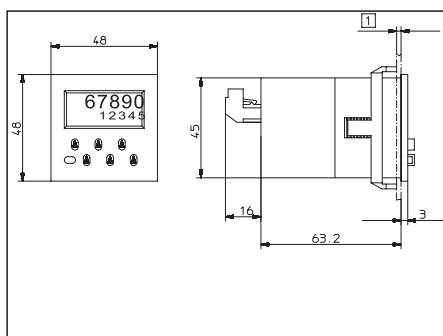
Output relays

Contact connection:	SPTST voltage free contacts programmable as NO or NC
Contact Rating:	250 V AC at 8 A; cos φ = 1 250 V AC at 5 A; cos φ = 0,4 30 V DC at 8 A; cos φ = 1
Reaction time:	< 20 ms
Expected life:	2 A ohm's load 1 000 000 switching cycles
EMC:	CE-conform to EC-guideline 89/36/EWG
Electromagnetic radiation:	EN 61 000-6-4/EN 55011 class B
Electromagnetic immunity:	EN 61 000-6-2
Weight:	appr. 80 g

Time ranges

1 s ... 99999 s; 0.2 s ... 9999.9 s; 0.02 ... 999.99s;
1 min ... 99999 min; 0,1 min ... 9999.9 min; 0,01 min ... 999.99 min;
1 h ... 99999 h; 0.1 h ... 9999.9 h; 0.01 h ... 999.99 h

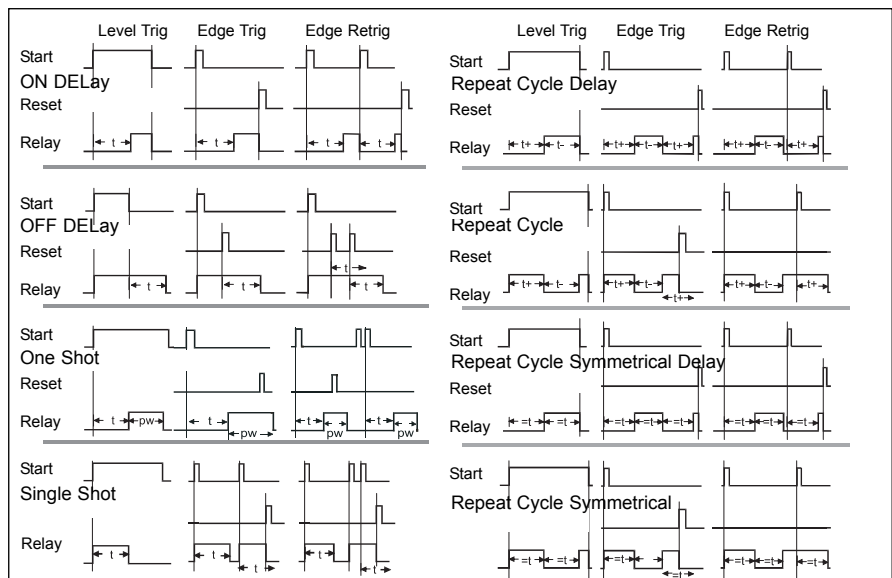
Dimensions:



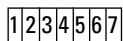
1 max. 10,5 at front panel3 max. 9.5

Panel cut-out: 45+0.6 x 45+0.6 mm

Timing modes:



Connections:



1	Common for terminals 2 + 3	
2	Timing input, programmable to level or edge triggered	These inputs can be 12 ... 260 V AC/DC. For DC input the polarity is unimportant
3	Reset input	
4/5	Voltage free relay contacts, programmable to NO or NC	
6/7	Connect together to disable front panel keys	

Order specification:

Order-No.: 0.910.010.800

Delivery specification:

Time relay, seal, clamp, user manual multilingual front panel 3 for screw mounting mounting dimensions 60 x 75 mm, front panel 2 for clamping mounting dimensions 55 x 55 mm, template for panel cut-out (50 x 50 mm for front panel 2 and 3).