

TR-910

Programmable Time Relay with LCD Display

Features

- Easy Operating and Programming Using Front Keypad
- Self Powered with Internal Replaceable Lithium Battery
- High Contrast, 2-line, 5-digit, LCD-Display
- 9 Programmable Time Ranges from 0.20 Seconds up to 99999 Hours
- Relay Contacts Rated at 8A; Programmable to NO or NC
- Resolution up to 0.01 Seconds
- Universal Inputs for 12 - 260 V AC/DC
- 8 Timing Modes



- 3 Programmable Activation Modes
- NEMA4/IP 65 Front Panel
- Plug-in Connector

Specifications:

Voltage supply: Two, 3V AA replaceable lithium battery, service life > 10 years or 500,000 relay changes

Inputs: Timing Reset inputs: 12 to 260 V AC/DC, impedance 180 k Ω 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 to +60 °C

Storage temperature:
-20 to +70 °C

Relative humidity:
80% max. up to 31 °C; decreasing to max. 50% at 40 °C

Protection: NEMA4/IP 65 with delivered seal

Output relays: SPTST voltage free contacts programmable as NO or NC

Contact Rating: 250 V AC at 8A; $\cos \varphi = 1$
250 V AC at 5A; $\cos \varphi = 0.4$
30 V DC at 8A; $\cos \varphi = 1$

Reaction time: < 20 ms

Expected life: 2 A ohm's load 1000000 switching cycles

EMV: CE-conforml to EC-guideline 89/36/EWG

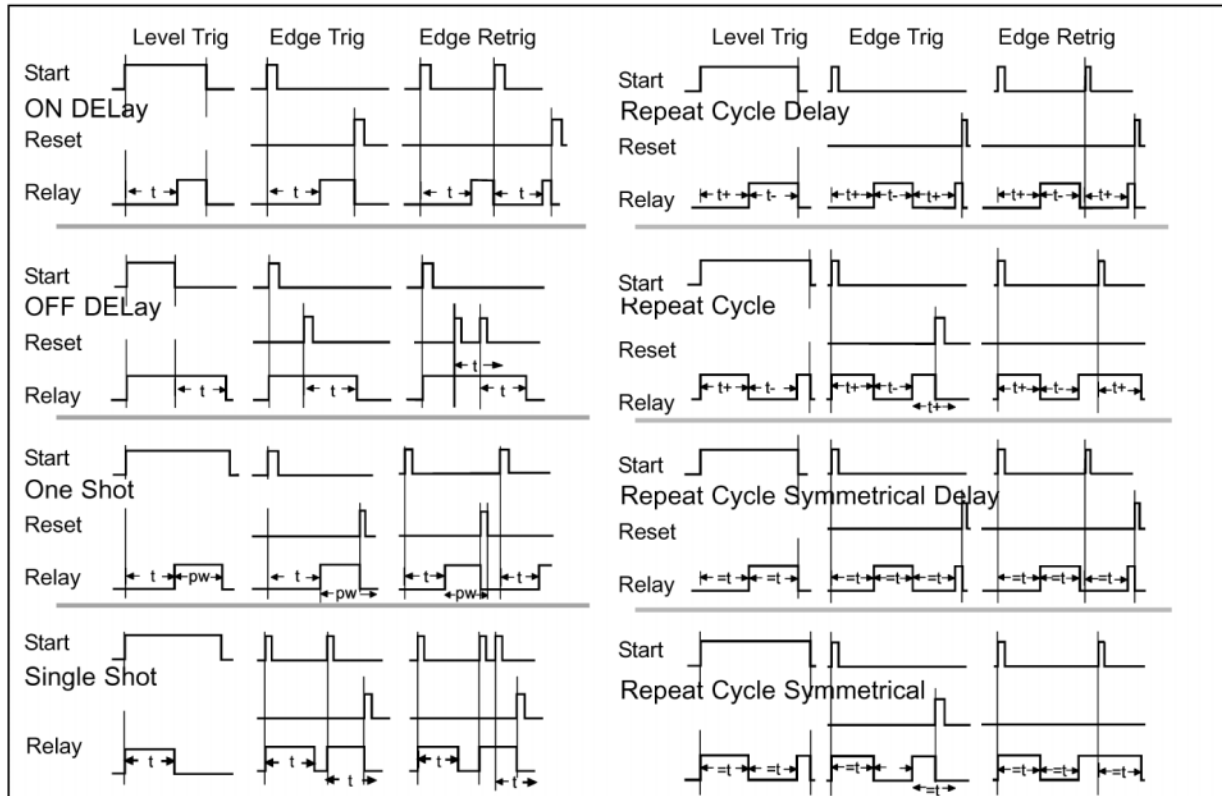
Electromagnetic: EN50081-2/EN 55011 class B

Radiation: Electromagnetic immunity: EN6100-6-2

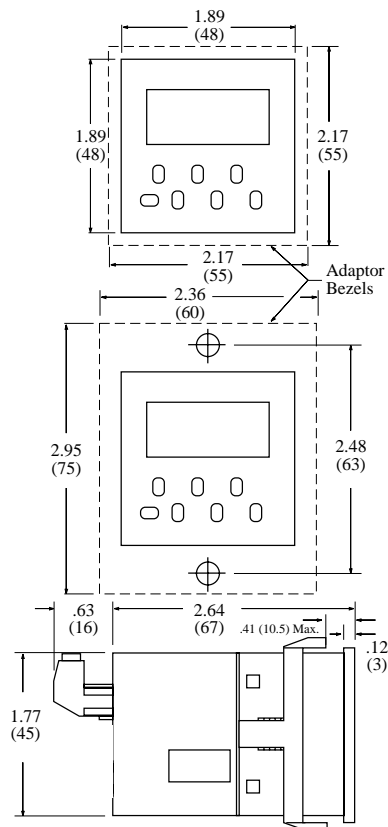
Weight: appr. 80 g

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

Timing Modes



Dimensions



Terminal 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 Code:
Model Number: TR910