General Specification

- Digital Timer with START/RESET/GATE input and OUT1 & OUT2 outputs
- 2x4 7 Segment LED display
- Selectable 13 different modes
- Counts down hour/minute/second
- Loads Timer value & OUT status at the latest power failure after the first power on
- EEPROM memory to store settings
- 24VDC inputs (compatible with PNP proximity switch output)
- 48x48mm front panel

⚠ Warning:

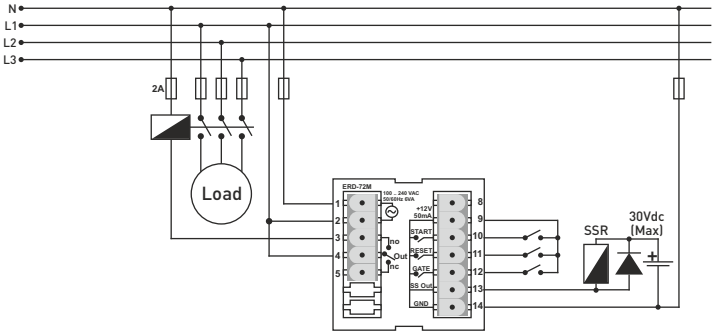
- Use twisted pair and shielded signal cables. Connect shield to ground from the device side. Keep all signal cables away from circuit breakers, devices/cables emitting electrical noise and power cables.
- Take precauitons against environmental conditions like humidity, vibration, pollution and high/low temperature during installation.
- Use a fuse (slow 250mA 250VAC) on supply input of the device. Use appropriate cables for supply connections. Apply safety regulations during installation.

Technical Specification

- Panel Hole Size : 44x44mm
- Display : 2x4 Digit 7 Segment display
- Inputs : START / RESET / GATE
  3x max. 32VDC (OFF:0....2VDC, ON:7....32VDC)
- Gate Input : Inhibits count-down when GATE is ON.
- Output : Out Relay (NO-O-NC), 250VAC, 2A, Resistive load
- Time base : Selectable; 99:59 hours / 99:59 minutes / 599.9 seconds
- Modes : Selectable 13 different modes
- Sensor Supply Out : 12VDC, 50mA max.
- Supply Voltage : 100....240VAC, 50-60Hz
- Pow. Consump. : < 8VA
- Operating Temp. : -20 °C....55 °C
- Operating Altitude : < 2000m

MADE IN TURKEY

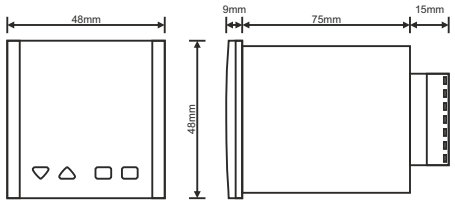
Connection



Notes:

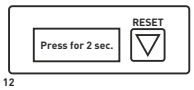
- "SS Out" return should directly connected to "GND pin".
- Use free-wheeling diode to protect "SS Out"

Dimensions:

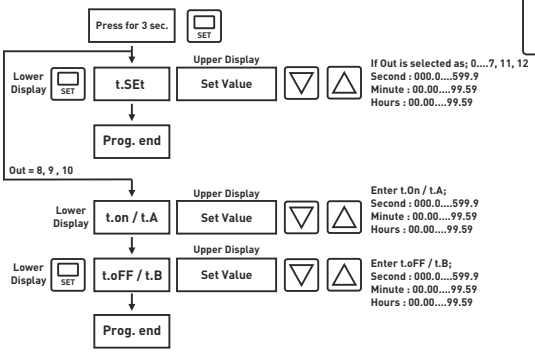


Programming Parameter:

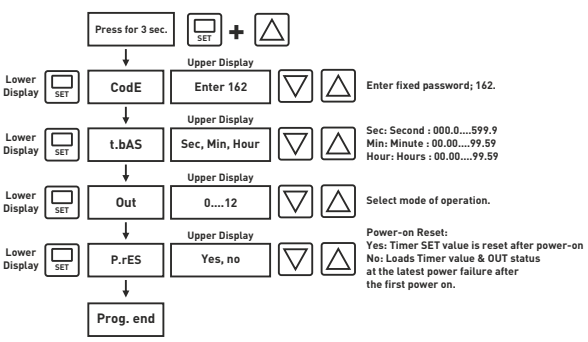
Front Panel RESET:



Programming Timer SET Value:

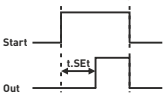


Selecting Time Base & Modes:



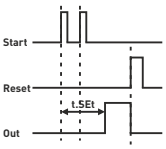
Modes of Operation:

Mode: 0; ON Delay



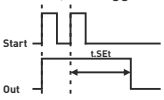
Out becomes ON "t.SEt" after START input is ON. Out is OFF when START input is OFF. Out is OFF when RESET input is ON.

Mode: 1; Pulsed Delay, OFF with RESET



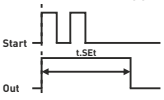
Out becomes ON "t.SEt" after START input is triggered (OFF → ON) . START input can not re-trigger timer until it is reset with RESET input. Out is OFF when RESET input is ON.

Mode: 2; Re-triggerable On Shot



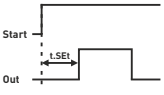
Out becomes ON when START input is triggered (OFF → ON) and becomes OFF after "t.SEt". START input can re-trigger when Out is ON. Out is OFF when RESET input in ON.

Mode: 3; Non-retiggerable One Shot



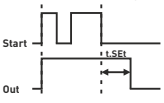
Out becomes ON when START input is triggered (OFF → ON) and becomes OFF after "t.SEt". START input can not re-trigger when Out is ON. Out is OFF when RESET input is ON.

Mode: 4; Delay after Power ON



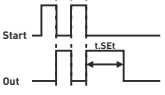
Out becomes ON "t.SEt" after Power ON. START input does not trigger timer. Out is OFF when RESET input is ON.

Mode: 5; OFF Delay



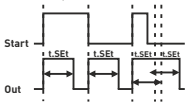
Out becomes ON when START input is ON. Out becomes OFF "t.SEt" after START input is triggered (ON → OFF). Out is OFF when RESET input is ON.

Mode: 6; One Shot after ON



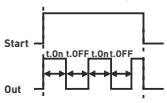
Out becomes ON when START input is triggered (ON → OFF) and becomes OFF after "t.SEt". Out is OFF when START is ON. Tx is OFF when RESET is ON.

Mode: 7; One Shot after ON and OFF



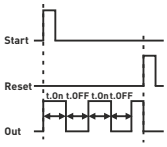
Out becomes ON when START input is triggered (OFF → ON) or (ON → OFF) and becomes OFF after "t.SEt". START input can re-trigger when Out is ON. Out is OFF when RESET input is ON.

Mode: 8; Flashing with START



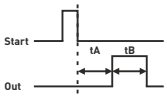
Out is periodically first ON for "t.On" and then OFF for "t.oFF" when START input is ON. Out is OFF when START input is OFF. Tx is OFF when RESET input is ON.

Mode: 9; Flashing with START/RESET



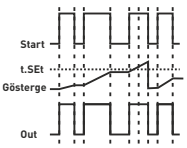
Out is periodically first ON for "t.On" and then OFF for "t.oFF" after START input is triggered (OFF → ON). Out is OFF when RESET input is ON.

Mode: 10; Delayed One Shot after OFF



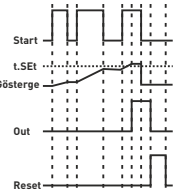
Out is first ON after "tA" and then OFF after "tB" when START is triggered (ON → OFF). START input does not-retrigger before "tB" elapses. Out is OFF when RESET input is ON.

Mode: 11; Chronometer - Count with START



Out is ON and timer counts up when START in ON. Timer freezes when START is OFF. Timer resets when START is OF if timer has elapsed "t.SEt" time. Out is OFF when RESET input is ON.

Mode: 12; Chronometer - Count with START, Reset with RESET



Timer counts up when START is ON. Timer freezes when START is OFF. Out is ON if timer has elapsed "t.SEt" time. Timer resets and Out is OFF when RESET input is ON.

Notes:

- For modes 8 & 9; t.On and t.oFF are accepted as min. 000.1 sec, 00.01 and 00.01 hour.
- Timer counts up for mode 11 & 12, and down for other modes.
- For all modes; counting is inhibited (or frozen) when GATE is ON.