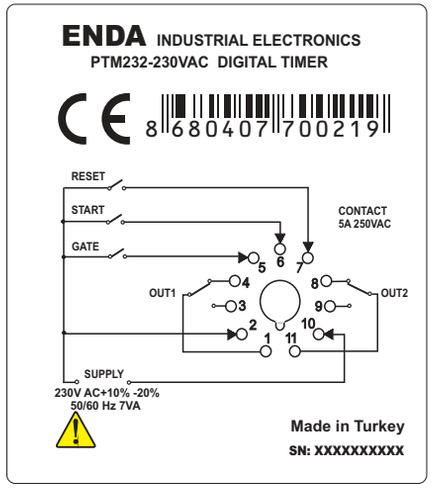
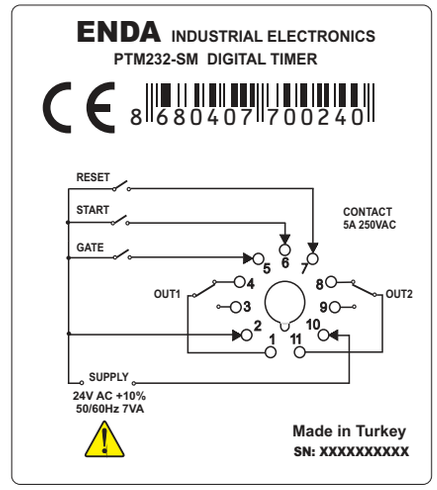
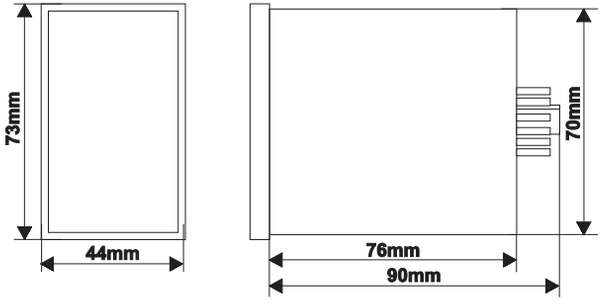
CONNECTION DIAGRAM





TECHNICAL SPECIFICATIONS

Dimensions	: W44xH73xD90mm
Display	: 2 digits, 14.2mm, 7 segment red LED
Time ranges	: It can be adjustable between 0-9.9 seconds and 0-99 hours.
Accuracy	: ±%1
Start	: By start input
Reset	: By reset input
Gate	: By gate input
Output function	: 6 different timing functions can be selectable.
Control output	: 2 relays. 230V AC, 2A (for resistive load), NO+NC.
Supply voltage	: 230V AC +10% -20%, 50/60Hz or 24V AC ±10%, 50/60Hz or optional 9-30V DC / 7-24V AC ±10% SMPS module.
Power consumption	: 2VA
Ambient temperature	: 0-50℃
Keypad	: Micro switch
Data retention	: EEPROM (min. 10 years)
Wiring	: 11 pins round socket
Weight	: 215 g.



ENDA PTM232 DIGITAL TIMER

Main Properties :

* Easy to operate.
* Relay output can be adjusted for set value.
* Start by start input.
* Down counting direction for time.
* Reset input.
* Gate input.

* 6 different time ranges
  - 0-9.9 S 0-99 S
  - 0-9.9 m 0-99 m
  - 0-9.9 h 0-99 h

Time unit
Displayed time unit.

Digital Display:
Displayed time value in the run mode, adjusted time in programming mode.

Keypad:

When first pressed, the time adjustment mode is entered. Used for decreasing the numerical value in the time adjustment mode.When held down for 0.6 second the change rate accelerates. When first pressed and held for 5 seconds, time unit and output type adjustment mode is entered.

When first pressed, the time adjustment mode is entered. Used for increasing the numerical value in the time adjustment mode.When held down for 0.6 second the change rate accelerates.

url: www.enda.com.tr

PTM232 PROGRAMMING DIAGRAM

Run Mode

Displayed timer value

Time adjustment mode

When pressed any key, the time adjustment mode is entered.Display flashes to indicate the time adjustment mode is entered. By using ▲ and ▼ SET keys, the value can be adjusted. When held down for a few seconds, the change rate accelerates. If no key is pressed within 5 seconds, the adjusted value is stored automatically and the run mode is entered.

If SET key is pressed and held for 5 seconds, the programming mode is entered and display flashes.

Programming Mode

Time unit adjustment mode

If t.t message flashes, means, the time range adjustment mode is entered. By using ▲ key, 6 different time ranges can be selected. Selected time range can be realized by time range indicators and decimal point.

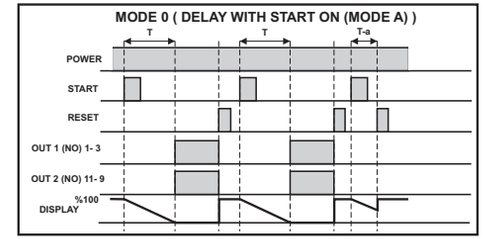
Output type adjustment mode

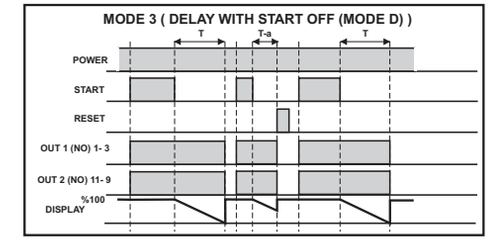
If ▼ SET key is pressed, the output type adjustment mode is entered and o2 message flashes. By using ▲ key output type can be adjusted between 0 and 5 Input and output diagrams according to output types can be seen next page.

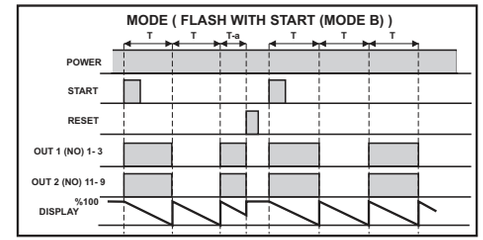
SET

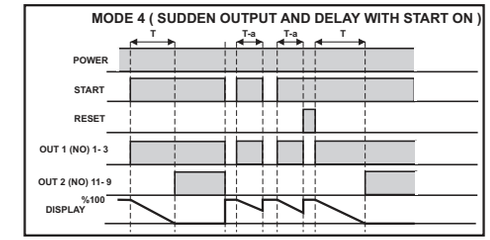
If no key is pressed within 5 seconds, the adjusted value is stored automatically and the run mode is entered.

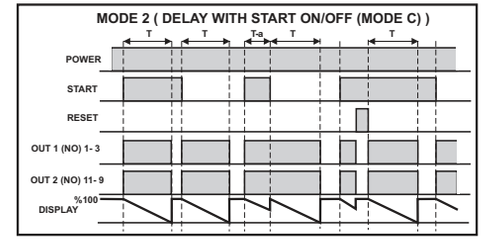
OUTPUT TYPES

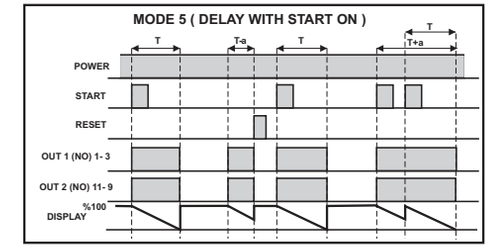




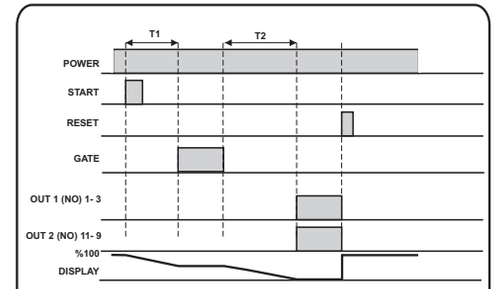








USING GATE INPUT



Note: 1. Above diagram shows gate input if the mode 0 is selected.
2. Sum of T1 and T2 is adjustment (set) time.