

Etsilon



Thumbwheel
Timer

TTR735

Features

- ▶ 3 digit, 7 segment LED timer
- ▶ Single set point
- ▶ On delay / Interval
- ▶ 2 Relay (SPDT)
- ▶ Size 48 x 48mm
- ▶ 7 Time ranges
- ▶ Direction-Down

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A) SAFETY PRECAUTIONS

⚠ SAFETY SUMMARY

Please maintain these instructions and review them prior to using the unit:

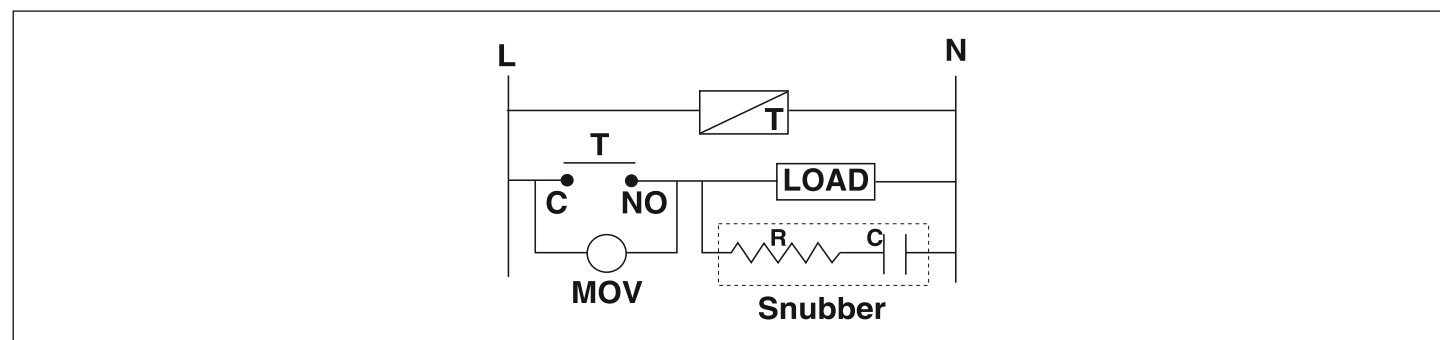
⚠ INSTALLATION GUIDELINES:

1. This unit is panel mounted type with its output terminals connecting to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like IEC 61326-1 and IEC 61010 respectively.
2. To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.
3. Use lugged terminals to meet M3 screws.

⚠ CAUTION:

1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of at least 1sq.mm and insulation capacity of at least 1.5kV.
3. The output connections must not be loaded beyond the specified values / range.
4. Avoid inflow of dust and contact of conductive material with the internal circuitry of the unit.
5. The unit must not operate in presence of heating sources, caustic vapors, oil, steam, vibration or impact etc.
6. Use clean moist cloth soaked in water for cleaning. Avoid entry of water into the circuitry through the ventilation holes.

LOAD CONNECTION



1) Snubber Part No: APRC-01.

2) MOV Part No: AP-MOV-03.

Note: For inductive loads, use of snubber and MOV, as shown above, is recommended.

B) OVERVIEW

SPECIFICATIONS

Display	3 Digits, 0.36" height, White 7 segment LED
Set point	Single set point
Supply	90 to 270V AC/DC, 50/60 Hz, 5VA Max
Delay modes	On delay / Interval
Time ranges	9.99, 99.9, 999 sec, 99.9, 999 min, 99.9, 999 hr
Time setting	By push wheel switches
Accuracy	±0.05% or 50msec (whichever is greater)
Start input	Pulse start
Reset	Front panel reset, Remote reset, On power interruption
Reset time	Less than 100msec
Direction	Down
Led indication	Relay status
Output	2 Relay (SPDT)
Relay rating	5A @250V AC / 24V DC, Resistive

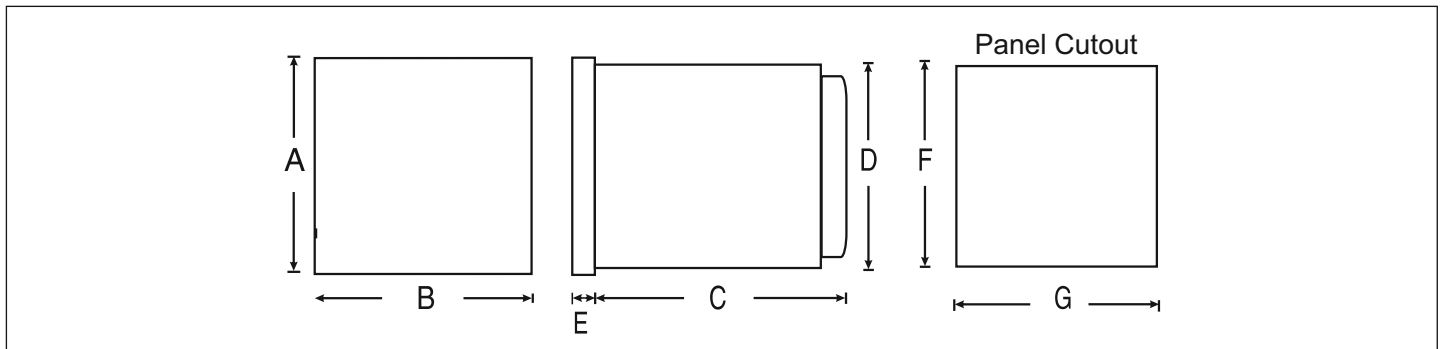
Mounting	Panel mounting
Temperature	Operating: 0 to 50 °C, Storage: -5 to 75 °C
Humidity	95% RH (non condensing)
Weight	120gm

MECHANICAL INSTALLATION

PRODUCT CODE

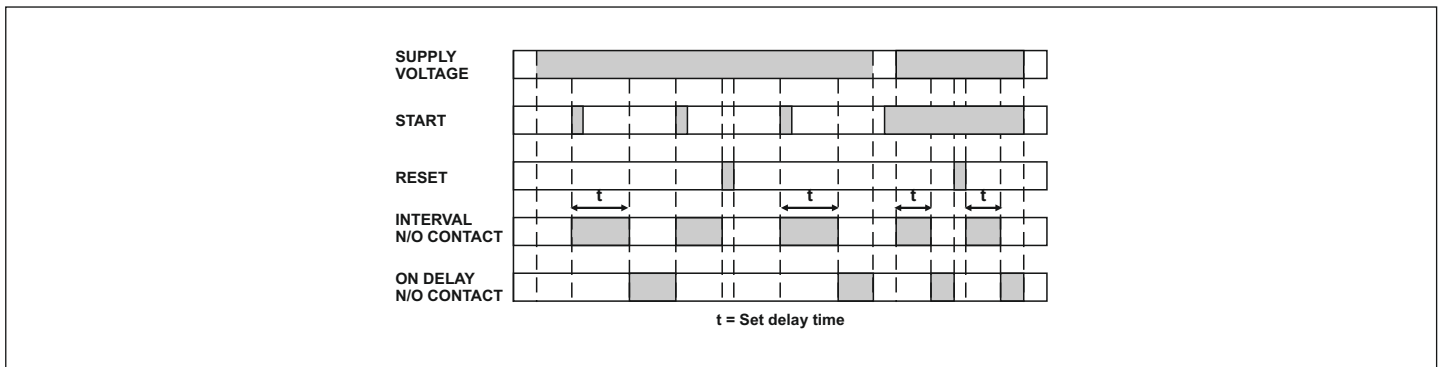
MODELS	DIGITS	BEZEL SIZE (mm)
TTR735	3	48 x 48

OVERALL DIMENSIONS (All dimensions in mm)

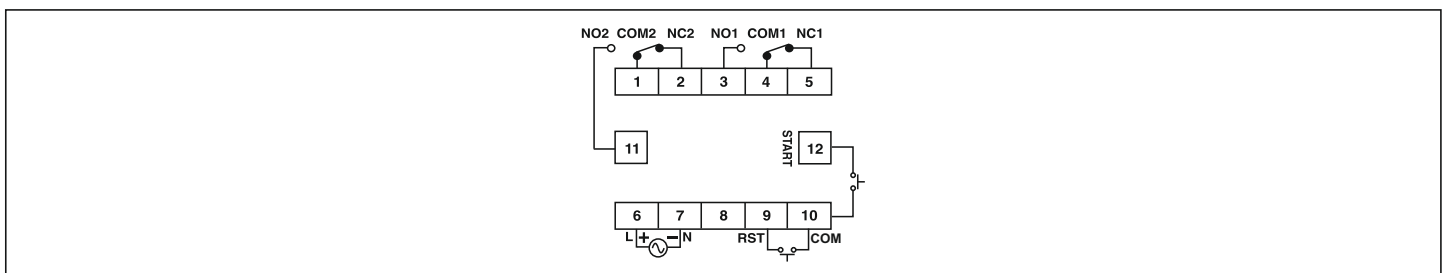


MODELS	DIM	A	B	C	D	E	F	G
TTR735		52	52	76	45	3.5	46	46

TIMING DIAGRAM



C) TERMINAL CONNECTION



D) DIP SWITCH SETTING

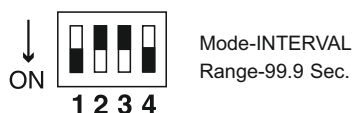
DIP SWITCH SETTINGS FOR MODE

MODE	SW 1
ON DELAY	OFF
INTERVAL	ON

DIP SWITCH SETTINGS FOR TIME RANGE

RANGE	SW2	SW3	SW4
9.99 sec	OFF	OFF	OFF
99.9 sec	OFF	OFF	ON
999 sec	OFF	ON	OFF
99.9 min	OFF	ON	ON
999 min	ON	OFF	OFF
99.9 hr	ON	OFF	ON
999 hr	ON	ON	ON

DIP SWITCH SETTING EXAMPLE



NOTE: DIP switch for range and mode settings is on the side of the instrument.

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