

Etsilon



48 x 48mm

Thumbwheel, Multifunction Timer

TTR735

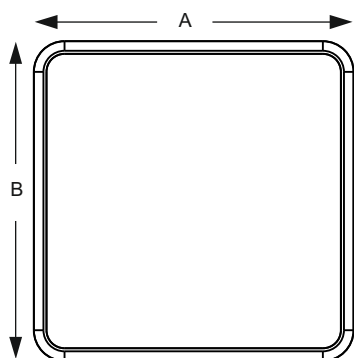
Applications

- HVAC system
- Industrial ovens & furnances
- Incubators
- Heat exchangers
- Pharmaceutical industry
- Autoclaves

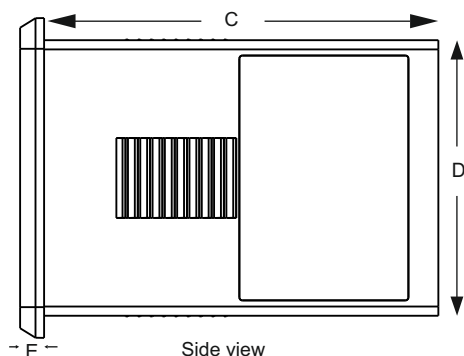
Features

- 3 digits, 7 segment LED timer
- Single set point
- On delay / Interval
- 2 Relay (SPDT)
- 7 Time ranges
- Down counting

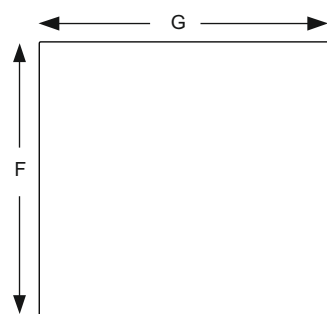
Dimensions (All are in mm)



Front bezel



Side view



Panel cutout

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

Technical specifications

Display specifications

Display	3 digits, 7 segment LED timer
LED indication	Relay status

Input specifications

Start input	Pulse start
Accuracy	± 0.05% of F.S. or 50msec Accuracy (whichever is greater)

Output specifications

Contact rating	5A @250V AC/24V DC
Relay contact	2X SPDT

Functional specifications

Modes	ON delay/Interval
Time ranges	9.99, 99.9, 999 sec, 99.9, 999 min, 99.9, 999 hr
Resolution	0.01 sec
Counting direction	Down
Set point	1
Time setting	Pushwheel
Reset	Front, Remote, On power interruption
Memory retention	No

Auxiliary supply specifications

Supply voltage	90 to 270V AC/DC, 50/60Hz, 5VA max
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Environment specifications

Temperature	Operating: 0 °C to 50 °C Storage: - 5 °C to 75 °C
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Mechanical specifications

Mounting	Panel mount
Weight	120 gms

DIP switch setting for mode selection

Mode	SW 1
On delay	OFF
Interval	ON

DIP SWITCH SETTINGS FOR TIME RANGE

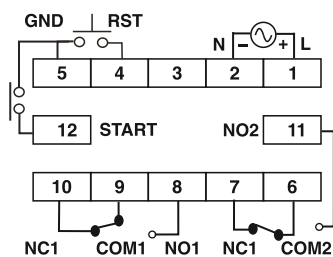
RANGE	SW2	SW3	SW4
9.99 sec	OFF	OFF	OFF
99.9 sec	OFF	OFF	ON
999 sec	OFF	ON	OFF
99.9 min	OFF	ON	ON
999 min	ON	OFF	OFF
99.9 hr	ON	OFF	ON
999 hr	ON	ON	ON

DIP SWITCH SETTING EXAMPLE

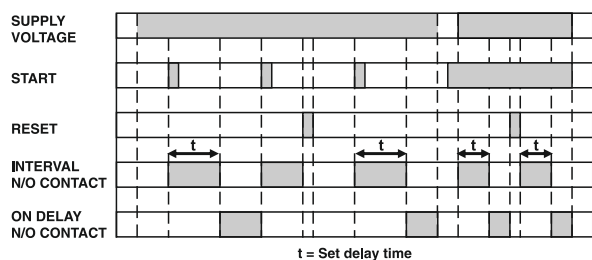


NOTE : DIP switch for range and mode settings is on the side of the Instrument.

Terminal connection



Timing diagrams



Compliance

Applicable EMI / EMC Standards

Product standard : IEC 61326-1

Category		Standard compliance
ESD Immunity	IEC 61000-4-2	Level III
Surge immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted susceptibility	IEC 61000-4-6	Level II
Voltage dips and interruptions	IEC 61000-4-11	Dips : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) Interruptions : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted emission	CISPR-11	
Radiated emission	CISPR-11	
Electrical fast transient	IEC 61000-4-4	Level III

Ordering information

Product code	Output1	Output2	Supply voltage	Certification
TTR735	RELAY (5A)	RELAY (5A)	90 to 270V AC / DC	-