Etsilon

72 x 72mm

Dual Display, Multifunction Timer
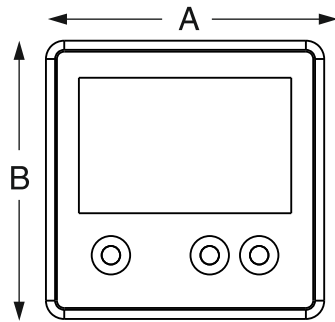## PTR742

Features

‣ **3+3 digits, 7 segment LED, Dual display**

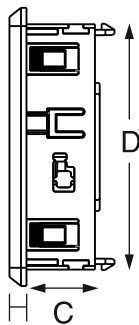‣ **Multifunction, Multi-range timer**

‣ **Single set point**

Applications

‣ **Alarm systems**

‣ **Exhibit displays**

‣ **Signage and displays**

‣ **Manufacturing processes**

‣ **Lighting control**
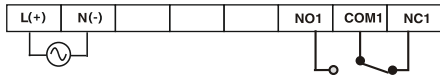
Dimensions (All are in mm)

Front bezel

Side view
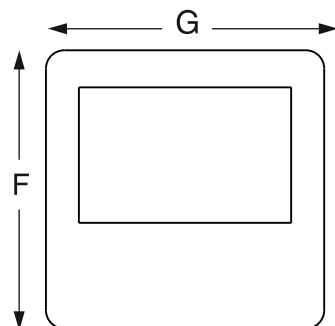
Panel cutout

MODEL	DIM	A	B	C	D	E	F	G
PTR742		76	76	83.7	67	3.5	69	69

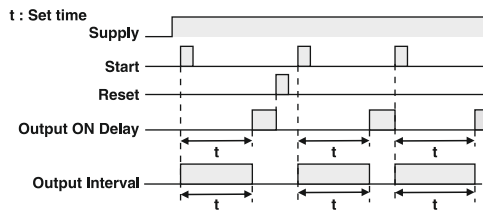# Technical specifications

Display specifications	
Display	3+3 digits, 7 segment LED, Dual display Upper display: White Lower display: Green
LED indication	Relay: R, Seconds (S), Minutes (M), Hours (H)
Input specifications	
Start input	Gate/Pulse (Programmable)
Accuracy	Setting: ±0.05% of set time or 50msec (Whichever is greater), Repeat: ±0.05%
Output specifications	
Contact rating	5A @250V AC/24V DC, Resistive
Relay contact	2X SPDT
Functional specifications	
Modes	ON delay, Interval, Cyclic ON first, Cyclic OFF first
Time ranges	9.99/99.9/999 sec, 9.59 min: sec, 99.9/999 min, 9.59 hour: min, 99.9/999 hr
Resolution	0.01 sec
Counting direction	Up/Down (Selectable)
Set point	1
Time setting	By keys on front panel
Reset	Front, Remote, On power interruption (Programmable)
Memory retention	10 years
Configuration lock	Yes
Auxiliary supply specifications	
Supply voltage	90 to 270V AC/DC, 50/60 Hz, 5VA max

Environment specifications	
Temperature	Operating: 0 °C to 50 °C (32 °F to 122 °F) Storage: -20 °C to 75 °C (-4 °F to 167 °F)
Humidity (Non-condensing)	95% RH
Mechanical specifications	
Mounting	Panel mount
Weight	165 gm

Terminal connection

| START | GND | RST | | NC2 | COM2 | NO2 |

| L(+) | N(-) | | | NO1 | COM1 | NC1 |

Timing diagrams

1. On delay, Interval modes :

t : Set time

Supply
Start
Reset
Output ON Delay
t   t   t

Output Interval
t   t   t

2. Cyclic ON first, Cyclic OFF first modes :

t1 : ON time ;
t2 : OFF time

Supply
Start
Reset
Output Cyclic ON
t1 t2 t1 t2   t1 t2

Output Cyclic OFF
t2 t1 t2 t1   t2 t1
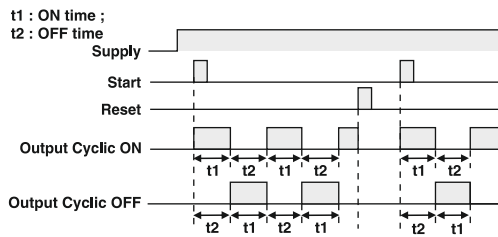
3. Typical application of Continuous start and reset and in On delay mode :

t : Set time

Supply
Start
Reset
Output On delay
t   t
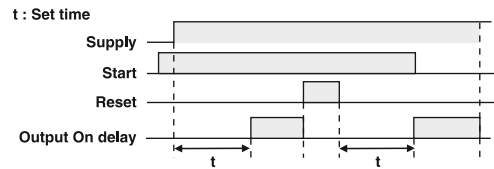
4. Typical application of Gate start :

th = hold time ;
t1 + t2 = t
(set time)

Supply
Gate
Reset
Output On delay
t   t1 th t2
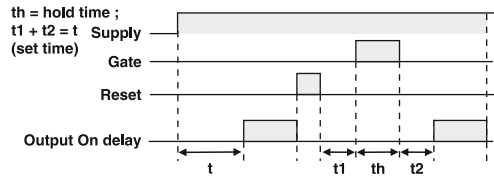
Ordering information

Product code	Output1	Output2	Supply voltage
PTR742	RELAY (5A)	RELAY (5A)	90 to 270V AC/DC