



96 x 96mm

Dual Display, Multifunction Timer PTR743

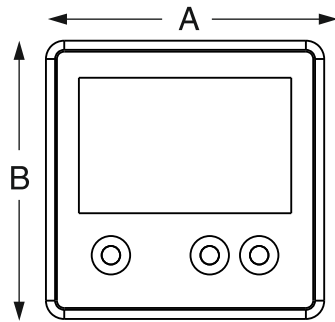
Features

- ▶ 3+3 digits, 7 segment LED, Dual display
- ▶ Multifunction, Multi-range timer
- ▶ Single set point

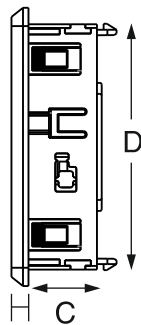
Applications

- ▶ Alarm systems
- ▶ Exhibit displays
- ▶ Signage and displays
- ▶ Manufacturing processes
- ▶ Lighting control

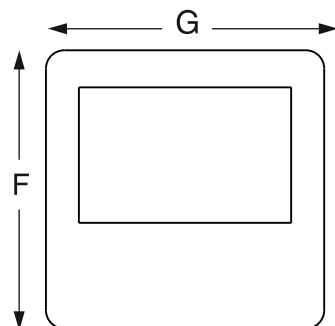
Dimensions (All are in mm)



Front bezel



Side view



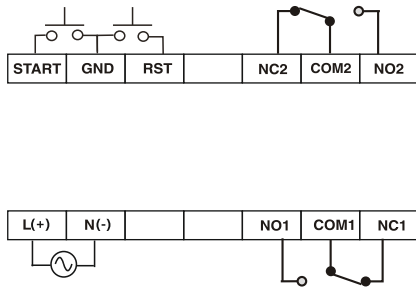
Panel cutout

MODEL	DIM	A	B	C	D	E	F	G
PTR743		100	100	73	90.5	4	92	92

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: $\pm 0.05\%$ of set time or 50msec (Whichever is greater), Repeat: $\pm 0.05\%$
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	220 gm

Terminal connection



Compliance

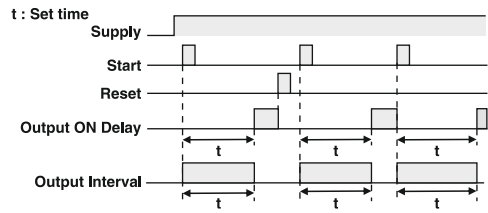
Applicable EMI/EMC standards		
Product standard: IEC 61326-1		
Category		Standard compliance
ESD immunity	IEC 61000-4-2	Level III
Surge immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level 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

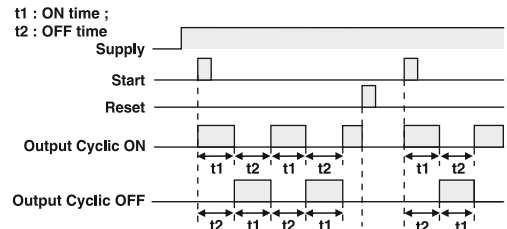
Product code	Output1	Output2	Supply voltage	Certification
PTR743	RELAY (5A)	RELAY (5A)	90 to 270V AC/DC	-

Timing diagrams

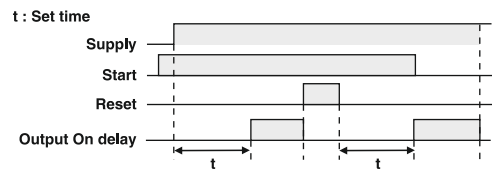
1. On delay, Interval modes :



2. Cyclic ON first, Cyclic OFF first modes :



3. Typical application of Continuous start and reset and in On delay mode :



4. Typical application of Gate start :

