

48 x 48mm

Features :

Single set point

LED Indications : Relay ON, Seconds, Minutes, Hours

3 digits, 7 segment LED, Dual Display

Technical specifications

Display	3 digits, 7 segment LED, Dual display Height of Upper Display : 0.3785" Height of Lower Display : 0.2720"
LED indication	Relay ON, Hr / Min /Sec
Accuracy	Setting: $\pm 0.05\%$ of set time or 50msec ; Repeat: $\pm 0.05\%$
Start input	Gate/ Pulse (Programmable)
Contact rating	Relay : NO: 10A 250 VAC/ 28 VDC NO/ NC: 5A/ 5A 250 VAC/ 28 VDC
Relay contact	2X SPDT
Modes	ON delay, Interval, Cyclic ON first, Cyclic OFF first
Time ranges	0 - 9.99sec, 0 - 99.9sec, 0 - 999sec, 0 - 9:59min: sec , 0 - 99.9min, 0 - 999min, 0 - 9: 59hr: min , 0 - 99.9hr, 0 - 999hr
Resolution	0.01sec
Counting direction	Up/ Down (selectable)
Set point	1
Time setting	By keys on front panel
Reset	Front, Remote, On power interruption (programmable)
Memory retention	Yes (selectable)
Configuration lock	Yes
Supply voltage	85 to 270 VAC/ DC (50/ 60Hz) - 15% to 10% tolerance
Power consumption	4VA max
Temperature	Operating: 0 to 50°C (32 to 122°F) Storage: - 20 to 75°C (- 4 to 167°F)
Humidity (non - condensing)	95% RH
Mounting	Panel mount
Weight	120gms

Wiring diagram for a 12VDC relay module. The module has two rows of pins. The top row has pins 5, 4, 3, N, and L. The bottom row has pins 10, 9, 8, 7, and 6. Above the top row, NC1 is connected to pin 5, COM1 to pin 4, and NO1 to pin 3. Below the bottom row, NO2 is connected to pin 10, COM2 to pin 9, NC2 to pin 8, RST to pin 7, and COM to pin 6. A 12VDC source is connected to pin 11 (labeled 12) and pin 1 (labeled 11). A common ground symbol is connected to pin 1 and pin 6.

Diagram illustrating the dimensions of the XT546BX display:

- Front bezel:** Dimensions A (width) and B (height).
- Side view:** Dimensions C (width) and D (height).
- Panel Cutout:** Dimensions E (width) and F (height).

DIM	A	B	C	D	E	F	G
XT546BX	52	52	76	45	4	46	46

1. On delay, Interval modes :

Supply

Start

Reset

Output ON Delay

Output Interval

t = Set time delay

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

Supply

Start

Reset

Output ON delay

Output Interval

t = Set time delay

2. Cyclic ON first, Cyclic OFF first modes :

The diagram shows two modes of operation for a device. The top mode, 'Cyclic ON', shows the Output being ON for time t_1 and OFF for time t_2 in a repeating sequence. The bottom mode, 'Cyclic OFF', shows the Output being OFF for time t_2 and ON for time t_1 in a repeating sequence. In both modes, the Output is ON during the initial Start pulse and OFF during the initial Reset pulse. The Supply is always ON.

Supply

Start

Reset

Output Cyclic ON

Output Cyclic OFF

t_1 = ON time

t_2 = OFF time

4. Typical application of Gate start :

The diagram shows a typical application of the Gate start function. The Output is ON during the initial Start pulse and OFF during the initial Reset pulse. When the Gate is asserted, the Output turns ON. When the Gate is deasserted, the Output turns OFF. The Output is ON during the initial Reset pulse and OFF during the initial Start pulse. The Supply is always ON.

Supply

Gate

Reset

Output On delay

$t_1 + t_2 = t$
 t = set time delay
 t_h = hold time.

XT546BX	85 to 270 VAC/ DC	---