OP288-V03

selec

XT546-246-346

Operating Instructions

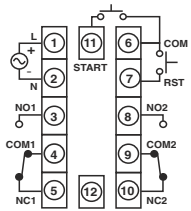
48x48 72x72 96x96

SPECIFICATIONS

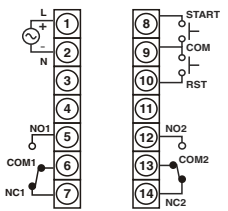
Display : Dual, 3 digit seven segment LED display
Supply : 85 to 270V AC, 50/60 Hz
24V AC / DC (Optional)
Operating Modes : On Delay, Interval, Cyclic On first & Cyclic Off first
Time Ranges : 9.99 / 99.9 / 999sec
9.59 min:sec, 99.9 / 999 min,
9.59 hour:min, 99.9 / 999 hour
Counting Direction : Down
Relay Rating : 5A@250V AC / 28V DC
Start Input : Pulse, Gate (Programmable)
Reset : On interruption of power, front panel reset & terminal reset
Outputs : 2 ; 1 C/O (SPDT)
Memory Retention : 10 years
Accuracy : **Setting** : ±0.05% of set time or 50 msec (Whichever is greater)
Repeat : ±0.05%
Temperature : **Operating** : 0 to 50°C
Storage : -20 to 75°C
Humidity : 95% RH
Housing : PC tinted black
Weight : **XT546** : 140 gms
XT246 : 190 gms
XT346 : 240 gms

TERMINAL CONNECTIONS

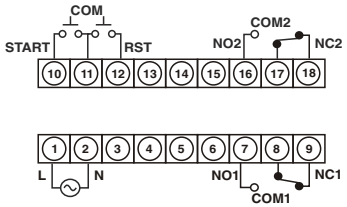
XT546



XT246



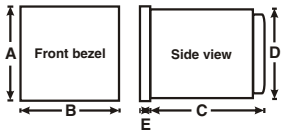
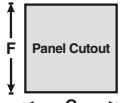
XT346



MECHANICAL INSTALLATION

For installing the Timer

1. Prepare the panel cutout with proper dimensions as shown below :

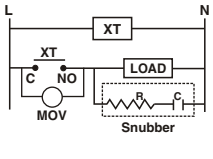
Outline Dimensions (in mm)	Panel cutout Dimensions (in mm)
	

MODELS / DIM	A	B	C	D	E	F	G
XT546	48	48	94	45	4	46	46
XT246	72	72	83.7	67	10	69	69
XT346	96	96	73	90.5	10	92	92

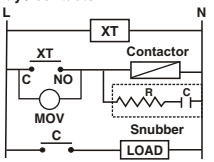
2. Remove the clamp from the controller and push the controller into the panel cutout. Insert the clamp from the rear side until the main is securely fit into the panel.

LOAD CONNECTIONS

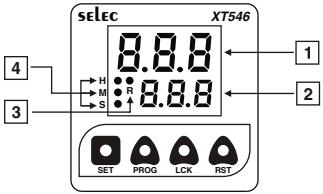
For load current less than 0.5A



For bigger loads, use interposing relay / contactor



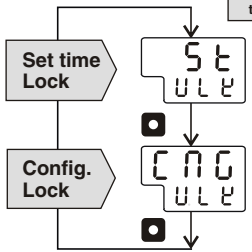
FRONT PANEL DESCRIPTION



	On line	Config	Lock	For Reset
1	Process Time	Parameter name		
2	Set Time	Parameter setting		
3	O/P Status (Lit when O/P is ON)			
4	Time Range (Blink in online mode)			

PROTECTION LEVEL

NOTE : Press ■+▲(LCK) key together continuously for 3sec. to enter into protection level.



Use ▲ (any of 3) to select set time LOCK & UNLOCK
Default : UNLOCK

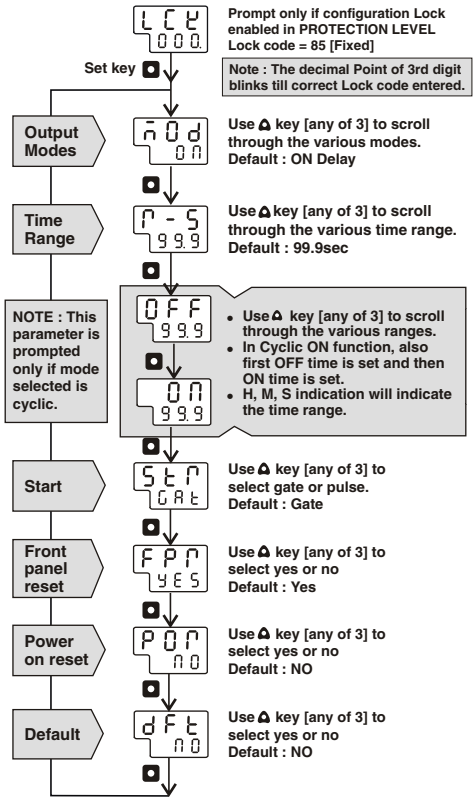
Use ▲ (any of 3) to select config. LOCK & UNLOCK
Default : UNLOCK

The unit will auto exit lock mode after 30sec. of key inactivity or by pressing ■+▲(LCK) keys continuously for 3sec. to exit the function.

CONFIGURATION INSTRUCTION

1. Enter configuration by pressing the key ■ + ▲ (PROG) key together for 3 sec.
2. Scroll various function ranges by pressing ▲ key(any of 3)
3. Scroll various parameter by pressing the ■ key.

The unit will auto exit program mode after 30sec. of key inactivity or by pressing ■ + ▲ (PROG) key together continuously for 3sec.



RESET METHOD

NOTE : Press ■ + ▲ (RST) key together continuously for 5sec. to enter into function.

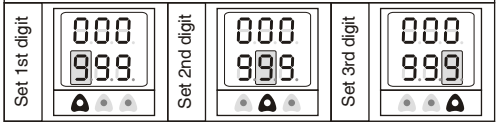
Reset → rSt dnE

The unit will auto exit reset mode after 1sec.

TO PROGRAM SET VALUE

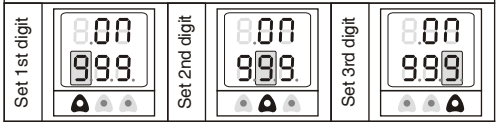
Note : Press ▲ key to change the set value. The corresponding digit will increment from **0** to **9** and then will roll over back to **0.** Press ■ key to store set value

Only if mode selected is on delay / Interval

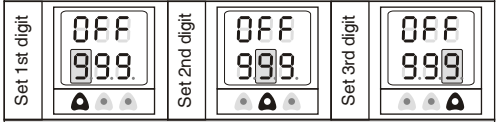


NOTE : Press ■ key to store set value. Decimal point of 3rd digit blink still the storage of set value

Only if mode selected is cyclic



NOTE : Press ■ keys to register and move to next parameter



NOTE : Press ■ key to store set value. Decimal point of 3rd digit blinks till the storage of set value

NOTE : If the set value is 000 then timer must hold (not work). All indications will be OFF.

The unit will auto exit set value mode after 30sec. of key inactivity

USER GUIDE

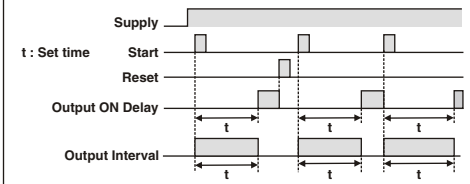
START : Pulse / Gate

A) Pulse : Timing starts on momentary closure of switch connected between **START** and **COMMON** terminals.

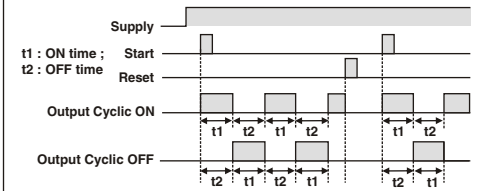
B) Gate : Timing starts at power on. When the **START** and **COMMON** terminal is closed timing freezes and it resumes only when the shorting is opened.

MODE OF OPERATION

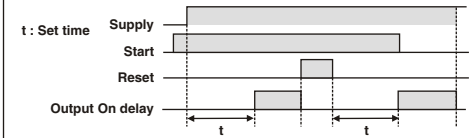
1. On delay, Interval modes :



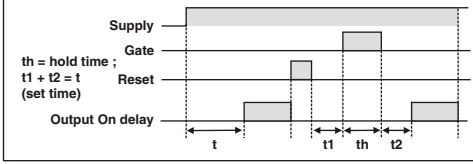
2. Cyclic ON first, Cyclic OFF first modes :



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



Typical application of Gate start



(Specifications are subject to change, since development is a continuous process)

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