OP3098-V01

selec — XT246A / XT346A / XT546A
Operating Instructions



48x48 72x72 96x96

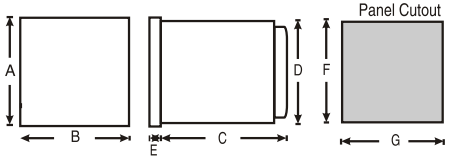
PARAMETER	SPECIFICATIONS
Display	**XT246A :** Dual LED (3+3) digit, 0.56"+ 0.40" Height,7 segment. **XT346A:** Dual LED (3+3) digit, 0.56"+ 0.40" Height,7 segment. **XT546A:** Dual LED (3+3) digit, 0.40"+ 0.28" Height,7 segment. Upper Display : White Lower Display : Green
Supply	90 to 270V AC, 50/60 Hz
Operating Modes	1) On Delay 2) Interval 3) Cyclic On first 4) 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 hour
Counting Direction	Down/Up
Set Point	Single Set Point
Relay Rating	5A@250V AC / 30V DC
Start Input	Pulse, Gate (Programmable)
Reset	On interruption of power (Selectable), front panel reset & terminal reset
Outputs	2 Relay (SPDT)
LED Indication	Relay Timer Indication
Memory Retention	10 years
Power consumption	5 VA max @270V AC / DC
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 (non condensing)
Housing	PC trans black
Mounting	Panel Mount
Weight	XT246A : 180 gms XT346A : 200 gms XT546A : 120 gms

MECHANICAL INSTALLATION

PRODUCT CODE

MODELS	DIGITS	BEZEL SIZE(mm)
XT546A	3	48 x 48
XT246A (Self Locking)	3	72 x 72
XT346A	3	96 x 96

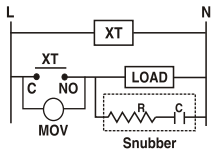
OVERALL DIMENSIONS (All dimensions in mm)



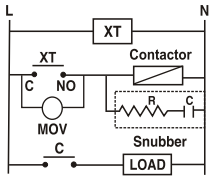
DIM / MODELS	A	B	C	D	E	F	G
XT546A	52	52	76	45	4	46	46
XT246A	76	76	44	67	4	69	69
XT346A	99	99	39	90.5	3	92	92

LOAD CONNECTIONS

For load current less than 0.5A



For bigger loads, use interposing relay / contactor



SAFETY PRECAUTIONS

Please maintain these instructions and Review Them prior to using the unit:

⚠ Warning:

1. This unit is panel mounted type with its output terminals getting connected to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like BS EN 61326-1 and BS EN 61010 respectively.

2. To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done Strictly as per the terminal layout, given in the manual.

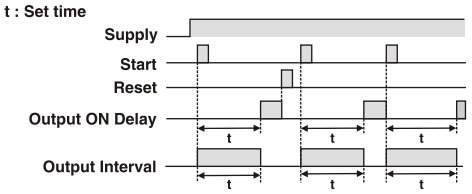
3. Use lugged terminals to meet M3 screws.

⚠ Caution:

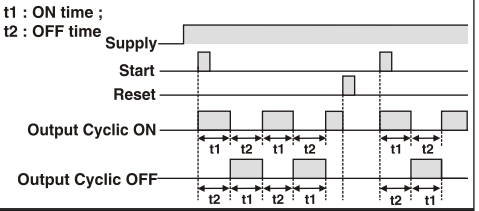
1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of At least 1mm^2 and insulation capacity of at least 1.5kV.
3. The output connections must not be loaded beyond the specified values/range.
4. Avoid inflow of dust and contact of conductive material With the internal circuitry of the unit.
5. The unit must not operate in presence of heating Sources, caustic vapors, oil, steam, vibration or impact etc.
6. Use clean soft cloth for cleaning. Do not use any Organic solvents like Isopropyl alcohol.Care must be

MODE OF OPERATION

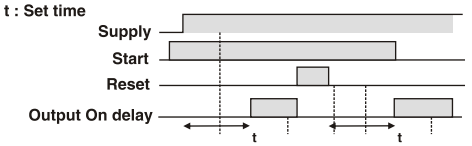
1.On delay, Interval modes :



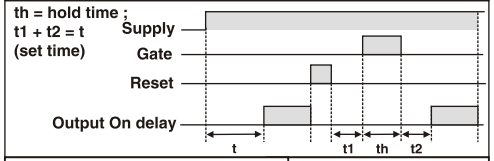
2.Cyclic ON first, Cyclic OFF first modes :



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



Typical application of Gate start :

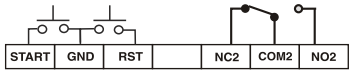


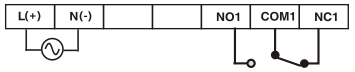
USER GUIDE	START : Pulse / Gate

A) Pulse : Timing starts on momentary closure of switch Connected between **START** and **COMMON** terminals.
B) Gate : Timing starts at power ON. When **START & COMMON** is Closed timing freezes and it resumes only When the shorting is opened.

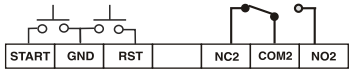
TERMINAL CONNECTIONS

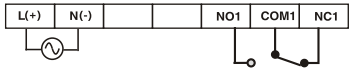
XT246A



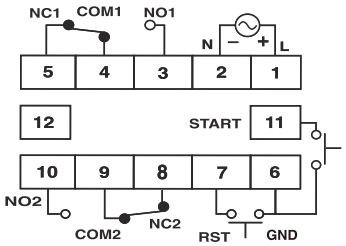


XT346A

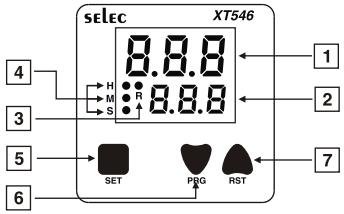




XT546A



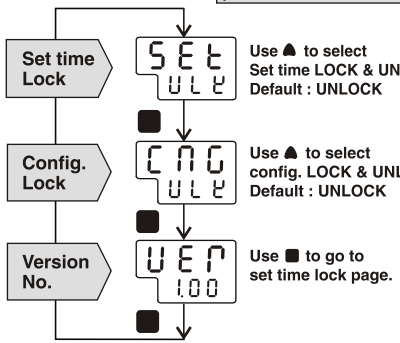
FRONT PANEL DESCRIPTION



1	Process Time
2	Set Time
3	Output Status (Lits when Output is ON)
4	Time Range (Blink in online mode)
5	To Set Process time
6	Configuration Mode
7	For Reset

PROTECTION LEVEL

NOTE : Press ♥ + ▲ together continuously for 3sec. to enter into protection level.



Description	Display	Default Value	Range
Set time Lock	SEt ULY	UNLOCK	LOCK/ UNLOCK
Config. Lock	CnG ULY	UNLOCK	LOCK/ UNLOCK

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

RESET METHOD

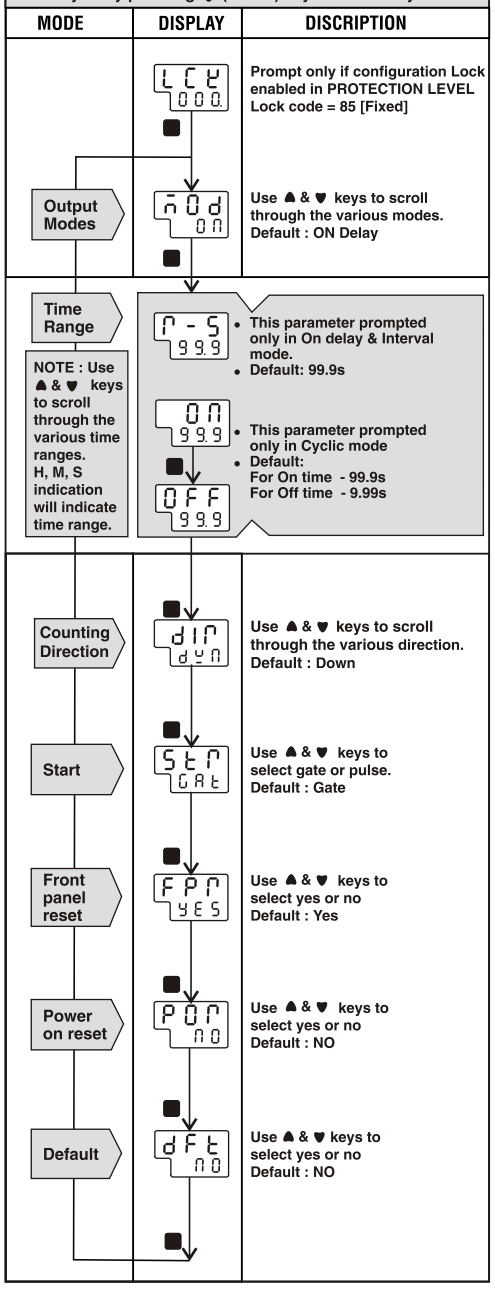


The unit will auto exit reset mode after 1sec.

CONFIGURATION INSTRUCTION

1. Enter configuration by pressing key ♥ for 3 sec.
2. Scroll various function ranges by pressing ▲ & ♥ key.
3. Scroll various parameter by pressing the ■ key.

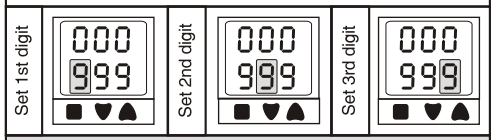
The unit will auto exit program mode after 30sec. of key inactivity or by pressing ♥ (PROG) key continuously for 3sec.



TO PROGRAM SET VALUE

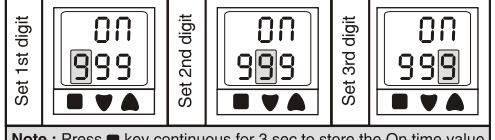
Note 1: Press ■ key continuous for 3 sec to edit the set value.
Note 2: The Corresponding digit will increment or decrement from 0 to 9 using ▲ & ♥ key respectively.
Note 3: Press ■ key to shift the Digit.

Only if mode selected is on delay / Interval

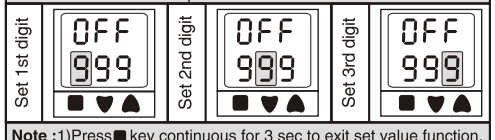


Note : Press ■ key continuous for 3 sec to exit set value function.

Only if mode selected is cyclic



Note : Press ■ key continuous for 3 sec to store the On time value and move to next parameter that is off time value.



Note :1)Press ■ key continuous for 3 sec to exit set value function.
2)If the set value is 000 then timer must hold (not work). &All indications will be OFF.
3)The unit will auto exit set value mode after 30 sec of key inactivity

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

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