OP3099-V01

selec

# XT543A

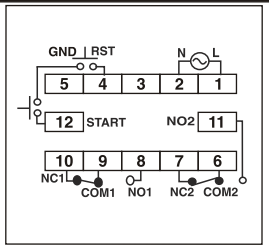
Operating Instructions



48x48

| PARAMETER | SPECIFICATIONS |
|---|---|
| Display | 3 digit,0.56" 7 segment LED display (White) |
| Supply | 90 to 270V AC/DC, 50/60 Hz |
| Operating Modes | 1) On Delay<br>2) Interval<br>3) Cyclic On first<br>4) Cyclic Off first |
| Time Ranges | 9.99 / 99.9 / 999 sec,<br>9.59 min:sec, 99.9 / 999 min,<br>9.59 hour:min, 99.9 / 999 hour |
| Counting Direction | Down/Up |
| 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) |
| Power Consumption | 5VA max @270V AC / DC |
| Memory Retention | 10 years |
| Accuracy | **Setting** : ± 0.05% of set time or 50 msec (Whichever is greater)<br>**Repeat** : ± 0.05% |
| Temperature | **Operating** : 0 to 50°C<br>**Storage** : -20 to 55°C |
| Humidity | 95% RH (Non-Condensing) |
| Housing | PC trance black |
| Weight | 120 gms |

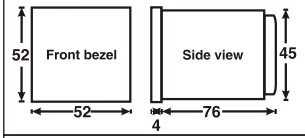
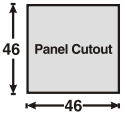
## TERMINAL CONNECTIONS




## 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) |
|---|---|
|  |  |

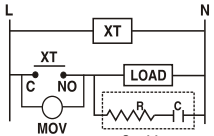




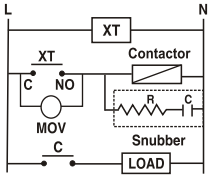
2. Remove the clamp from the controller and push the controller into the panel cutout. Insert the clamp from the Rear side until the main is securely fit into the panel.

## LOAD CONNECTIONS

**For load current less than 0.5A**

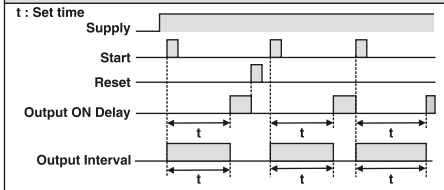



**For bigger loads, use interposing relay / contactor**

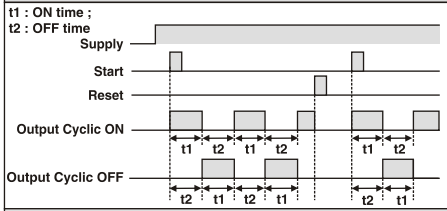



## MODE OF OPERATION

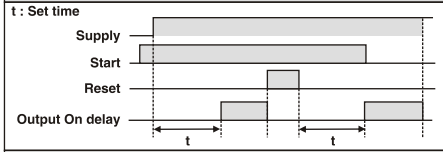
**1.On delay, Interval modes :**



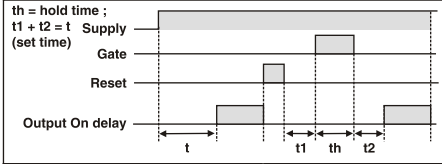

**2.Cyclic ON first, Cyclic OFF first modes :**




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




**Typical application of Gate start :**

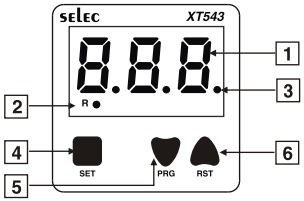



| USER GUIDE | START : Pulse / Gate |
|---|---|

**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.

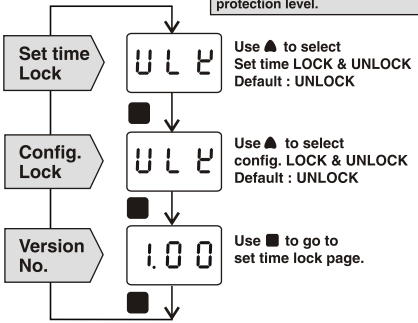
## FRONT PANEL DESCRIPTION




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

## PROTECTION LEVEL

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




**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**

## 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.**

| MODE | DISPLAY | DISCRIPTION |
|---|---|---|
| Config Lock | 000 | Prompt only if configuration Lock enabled in PROTECTION LEVEL Lock code = 85 [Fixed] |
| Output Modes | ON | Use ▲ & ▼ keys to scroll through the various modes. Default : ON Delay |
| Time Range | r-S 99.9 | • This parameter prompted only in On delay & Interval mode. • Default: 99.9s |
| | ONS 99.9 | • This parameter prompted only in Cyclic mode • Default: For On time - 99.9s For Off time - 9.99s |
| | OFS 9.99 | |
| Counting Direction | dYN | Use ▲ & ▼ keys to scroll through the various direction. Default : Down |
| Start | GAt | Use ▲ & ▼ keys to select gate or pulse. Default : Gate |
| Front panel reset | YES | Use ▲ & ▼ keys to select yes or no Default : Yes |
| Power on reset | NO | Use ▲ & ▼ keys to select yes or no Default : NO |
| Default | NO | Use ▲ & ▼ keys to select yes or no Default : NO |

NOTE : Use ▲ & ▼ keys to scroll through the various time ranges. H, M, S indication will indicate time range.

## RESET METHOD

Reset | rSt | Press ▲ (RST) key continuously for 3sec. To reset the unit.

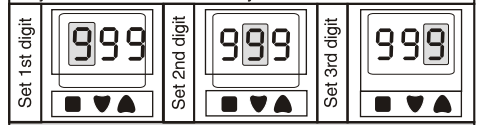
**The unit will auto exit reset mode after 1sec.**

## TO PROGRAM SET VALUE

**Note 1:** Press ■ key continuous for 3 sec to edit the set value.

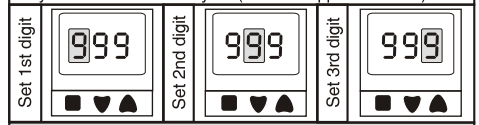
**Note 2:** The Corresponding digit will increment or decrement from 0 to 9 using ▲ & ▼ key respectively.

Only if mode selected is on delay / Interval

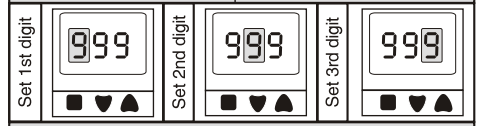



**Note :** Press ■ key continuous for 3 sec to exit set value function.

Only if mode selected is cyclic (On & Of appears for sec)




**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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