selec

DXT541 / DXT241
Operating Instructions

OP3232-V01



48x48 72x72

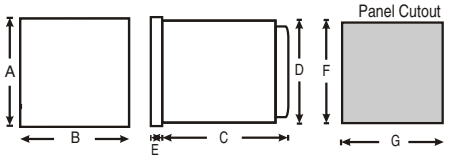
PARAMETER	SPECIFICATIONS
Display	**DXT541 :** Dual LED (3+3) digit, 0.40"+ 0.28" Height,7 segment. **DXT241 :** Dual LED (3+3) digit, 0.56"+ 0.40" Height,7 segment Upper Display : Red Lower Display : Yellow Green
Supply	90 to 270V AC/DC, 50/60 Hz,5VA max.
Operating Modes	1) On Delay 2) Interval 3) Cyclic 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 / 24V DC,Resistive
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	DXT541 : 120 gms DXT241 : 165 gms

MECHANICAL INSTALLATION

PRODUCT CODE

MODELS	DIGITS	BEZEL SIZE(mm)
DXT541	3+3	48 x 48
DXT241 (Self Locking)	3+3	72 x 72

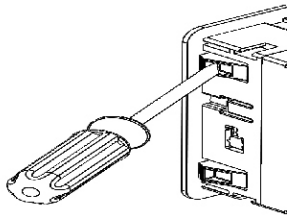
OVERALL DIMENSIONS (All dimensions in mm)



DIM / MODELS	A	B	C	D	E	F	G
DXT541	52	52	76	45	4	46	46
DXT241	76	76	44	67	4	69	69

HOW TO REMOVE SELF-LOCKING CLAMP

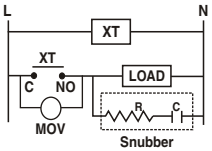
Use small minus type screw driver to remove Unit from panel. Insert Screw Driver in a cavity of Self-locking clamp as shown inbelow figure. Gently press clamp inside from one side first and press unit out of the Panel and then Press clamp from Second side to remove complete unit.



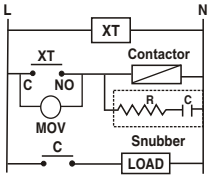
PANEL THICKNESS
0.5 mm(minimum) and 2.5 mm(maximum)

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.

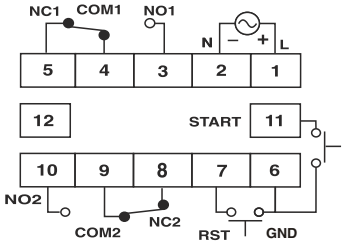
3. Use lugged terminals to meet M3 screws.

⚠ Caution:

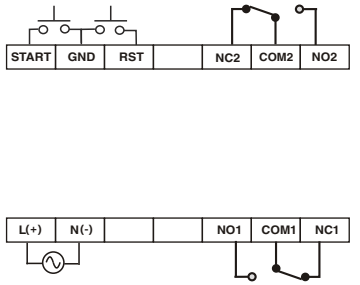
1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of At least 1mm² and insulation capacity of at least 1.5kV.
3. The output connections must not be loaded beyond the specified values/range.
4. Avoid inflow of dust and contact of conductive material 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 Taken to avoid entry of water into the circuitry through the ventilation holes.

TERMINAL CONNECTIONS

DXT541

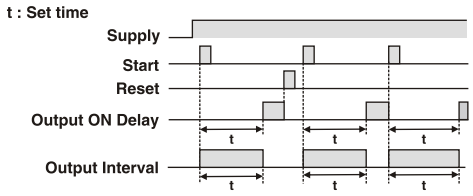


DXT241

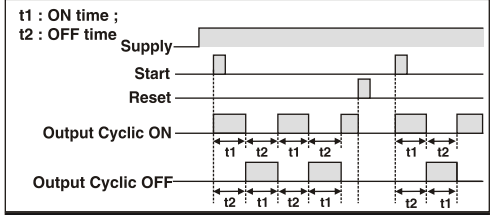


MODE OF OPERATION

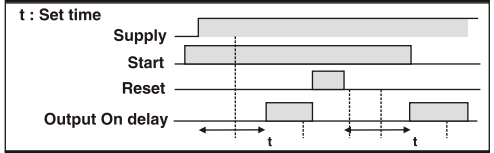
1.On delay, Interval modes :



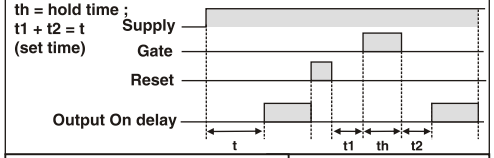
2.Cyclic ON first, Cyclic OFF first modes :



Typical application of Continuous start and reset delay mode :



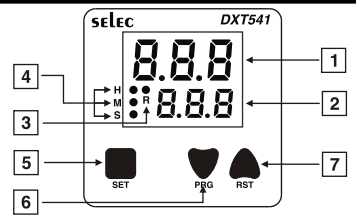
Typical application of Gate start :



USER GUIDE	START : Pulse / Gate

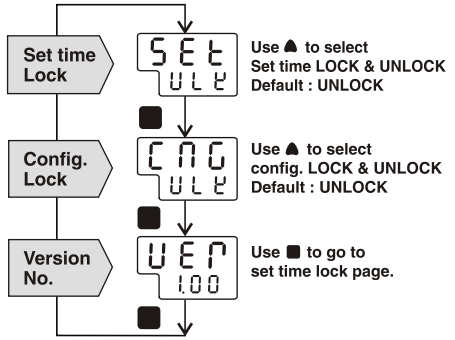
A) Pulse : Timing starts on momentary closure of switch Connected between **START** and **COMMON** terminals.
B) Gate : Timing starts at power ON. When **START & COMMON** is Closed timing freezes and it resumes only When the shorting is opened.

FRONT PANEL DESCRIPTION



1	Process Time
2	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

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



Press ▲ (RST) key continuously for 3sec. to reset the unit.

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.

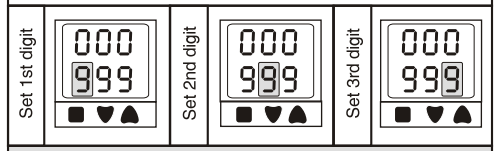
The unit will auto exit program mode after 30sec. of key inactivity or by pressing ▼ (PROG) key continuously for 3sec.

MODE	DISPLAY	DISCRIPTION
	LCY 000	Prompt only if configuration Lock enabled in PROTECTION LEVEL Lock code = 85 [Fixed]
Output Modes	oPd 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
NOTE : Use ▲ & ▼ keys to scroll through the various time ranges. H, M, S indication will indicate time range.	On 99.9	• This parameter prompted only in Cyclic mode • Default: For On time - 99.9s For Off time - 9.99s
	OFF 99.9	
Counting Direction	dIr dyn	Use ▲ & ▼ keys to scroll through the various direction. Default : Down
Start	StP GAt	Use ▲ & ▼ keys to select gate or pulse. Default : Gate
Front panel reset	FPr YES	Use ▲ & ▼ keys to select yes or no Default : Yes
Power on reset	Pon no	Use ▲ & ▼ keys to select yes or no Default : NO
Default	dFt no	Use ▲ & ▼ keys to select yes or no Default : NO

TO PROGRAM SET VALUE

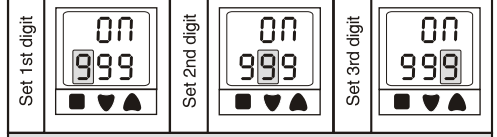
Note 1: Press ■ key continuous for 3 sec to edit the set value.
Note 2: The Corresponding digit will increment or decrement from 0 to 9 using ▲ & ▼ key respectively.
Note 3: Press ■ key to shift the Digit.

Only if mode selected is on delay / Interval

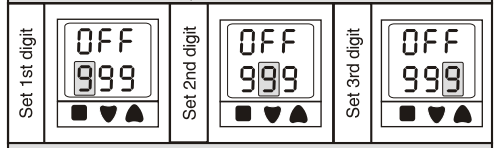


Note : Press ■ key continuous for 3 sec to exit set value function.

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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