



48x48

72x72

## SPECIFICATIONS

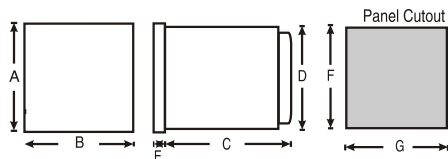
|                        |                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>DISPLAY</b>         | <b>DXT53</b> : 3 digit, 0.40" Height, Red 7 segment LED.<br><b>DXT23</b> : 3 digit, 0.56" Height, Red 7 segment LED. |
| <b>SET POINT</b>       | Single set point.                                                                                                    |
| <b>SUPPLY</b>          | 90 to 270V AC/DC, 50/60 Hz, 5VA max.                                                                                 |
| <b>DELAY MODES</b>     | On delay / Interval.                                                                                                 |
| <b>TIME RANGES</b>     | 9.99, 99.9, 999 sec<br>99.9, 999 min<br>99.9, 999 hr                                                                 |
| <b>TIME SETTING</b>    | By push wheel switches.                                                                                              |
| <b>ACCURACY</b>        | ±0.05% or 50 msec (whichever is greater).                                                                            |
| <b>START INPUT</b>     | Pulse Start.                                                                                                         |
| <b>RESET</b>           | 1)Front panel reset.<br>2)Remote Reset.<br>3)On power interruption.                                                  |
| <b>RESET TIME</b>      | Less than 100 msec.                                                                                                  |
| <b>COUNT DIRECTION</b> | Down.                                                                                                                |
| <b>LED INDICATION</b>  | Relay status                                                                                                         |
| <b>OUTPUT</b>          | 2 Relay (SPDT)                                                                                                       |
| <b>RELAY RATING</b>    | 5A @ 250VAC / 24VDC, Resistive                                                                                       |
| <b>MOUNTING</b>        | Panel mounting.                                                                                                      |
| <b>TEMPERATURE</b>     | <b>Operating:</b> 0 to 50°C<br><b>Storage:</b> -5 to 75° C.                                                          |
| <b>HUMIDITY</b>        | 95% RH (non condensing)                                                                                              |
| <b>WEIGHT</b>          | DXT53 : 120 gms<br>DXT23 : 210 gms                                                                                   |

## MECHANICAL INSTALLATION

### PRODUCT CODE

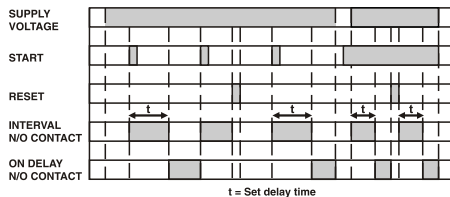
| MODELS | DIGITS | BEZEL SIZE(mm) |
|--------|--------|----------------|
| DXT53  | 3      | 48 x 48        |
| DXT23  | 3      | 72 x 72        |

### OVERALL DIMENSIONS (All dimensions in mm)



| DIM<br>MODELS | A  | B  | C    | D  | E   | F  | G  |
|---------------|----|----|------|----|-----|----|----|
| DXT53         | 52 | 52 | 76   | 45 | 3.5 | 46 | 46 |
| DXT23         | 76 | 76 | 83.7 | 67 | 3.5 | 69 | 69 |

### TIMING DIAGRAM



## SAFETY PRECAUTIONS

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

**⚠ Warning:**

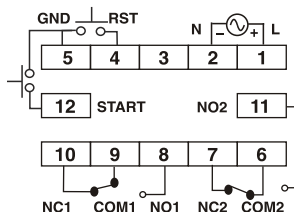
1. This unit is panel mounted type with its output terminals getting connected to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like BS EN 61326-1 and BS EN 61010 respectively.
2. To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.
3. Use lugged terminals to meet M3 screws.

**⚠ Caution:**

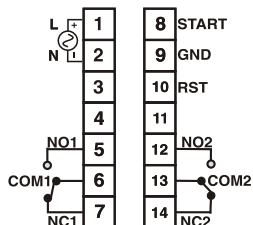
1. This unit is not intended for outdoor use.
2. The power connection cable must have a cross-section of atleast 1mm<sup>2</sup> and insulation capacity of atleast 1.5kV.
3. The output connections must not be loaded beyond the specified values/range.
4. Avoid inflow of dust and contact of conductive 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

### DXT53



### DXT23



## DIP SWITCH SETTING

### DIP SWITCH SETTINGS FOR MODE

| MODE     | SW 1 |
|----------|------|
| ON DELAY | OFF  |
| INTERVAL | ON   |

### DIP SWITCH SETTINGS FOR TIME RANGE

| RANGE    | SW2 | SW3 | SW4 |
|----------|-----|-----|-----|
| 9.99 sec | OFF | OFF | OFF |
| 99.9 sec | OFF | OFF | ON  |
| 999 sec  | OFF | ON  | OFF |
| 99.9 min | OFF | ON  | ON  |
| 999 min  | ON  | OFF | OFF |
| 99.9 hr  | ON  | OFF | ON  |
| 999 hr   | ON  | ON  | ON  |

### DIP SWITCH SETTING EXAMPLE

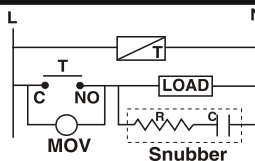


Mode - INTERVAL

Range - 99.9 Sec.

**NOTE :** DIP switch for range and mode settings is on the side of the Instrument.

## LOAD CONNECTIONS



1) Snubber Part No.: APRC - 01.

2) MOV Part No.: AP-MOV - 03.

Note: For inductive loads, use of snubber and MOV, as shown above, is recommended.

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

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