

## Humidity/Temperature Indicator Model 7100W-CAP (Using a Capacitive Humidity Sensor)



### Features

- Direct display of Humidity & Temperature. No need of Look-Up table.
- Digital Offset setting for Temperature and Humidity
- No need for any water container & wet wick as in a Dry/Wet type Humidity Indicator. Maintenance free.
- Easy to calibrate & compare with Mercury in Glass thermometer systems.
- Large 0.8" RED 7 Segment displays gives long distance visibility.
- Rugged ABS cabinet with attractive look.
- Convenient wall mounting on bracket at rear.

### Specifications

- Display : 3 Digits 7 Segment LEDs 0.8" character height (For Humidity)  
3 Digits 7 Segment LEDs 0.8" character height (For Temp.)
- Resolution : 0.1% For Relative Humidity &  
0.1°C for Temperature
- Range : 5 to 95% Humidity and 0 to 99.9°C temperature
- Offset Setting : -9.9 °C to +9.9 °C for temperature  
-9.9% to +9.9% for Humidity
- Accuracy :  $\pm 3\% \pm 1$  Least Significant Digit for Humidity.  
 $\pm 0.2^\circ\text{C}$  for Temperature  $\pm 1$  Least Significant Digit.
- Sensors : Capacitive for Humidity  
Resistive for temperature
- Power : 230V AC  $\pm 15\%$
- Relay : NO-P-NC (Potential Free) relay contacts with rating of 220V/5A
- Cabinet : Strong ABS plastic cabinet.
- Mounting : Wall mounted using key-hole type Bracket at rear.
- Size : 151mm x 109mm x 55mm
- Weight : 700 gms

## **DIRECTIONS FOR USAGE**

- Connect L (Line) and N(Neutral) terminals to 220V AC Mains using the AC mains plug supplied.
- Connect the Relay outputs, Normally Open (NO), Pole (P), Normally Closed (NC) to Humidifier as required. Relay activated for Humidity < Set Limit
  
- ***Digital Offset for Humidity***
  - Press Mode switch. Lower Display indicates “HoF” while Upper display shows the Offset for Humidity
  - Use Increment and Decrement switches to make changes
  - Range is -9.9 to +9.9
  - After changes have been made, press the Mode switch to move to next setting.
  
- ***Digital Offset for Temperature***
  - After previous setting upper Display indicates “toF” while lower display shows the Offset for Temperature
  - Use Increment and Decrement switches to make changes
  - Range is -9.9 to +9.9
  - After changes have been made, press the Mode switch to return to normal display