

SZ-7502

Operating Manual



Digital Temperature Indicator

SZ-7502 is a digital temperature indicator. Specially designed for Visi cooler, Pastry cabinet & Cold room etc. This indicator can be used for several applications with a measuring range from -10°C to 100°C.

Caution

WIRING: The probe and its corresponding wires should never be installed in a conduit next to control or power supply lines. The electrical wiring should be done as shown in the diagram. The power supply circuit should be connected to a protection switch.

WARNING: Improper wiring may cause irreparable damage and personal injury. Kindly ensure that wiring is done by qualified personnel only.

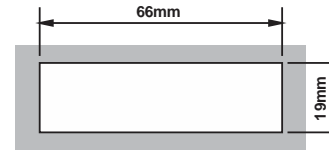
Maintenance: Cleaning: Clean the surface of the controller with a soft moist cloth. Do not use abrasive detergents, petrol, alcohol or solvents.

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Controller: Controller should be installed in a place protected by vibration, water and corrosive gasses and where ambient temperature does not exceed the values specified in the technical data.

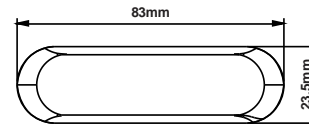
Probe: To give a correct reading, the probe must be installed in a place protected from thermal influences, which may affect the temperature to be controlled.

Panel Cutout

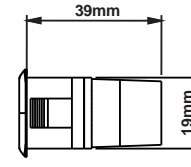


Dimension

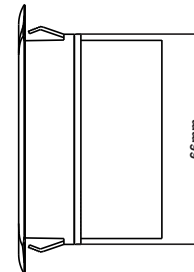
Front View:



Side View:



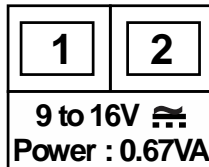
Top View:



Technical Data

Housing	: Black ABS Plastic, Auto-extinguish.
Front Cover	: Polycarbonate Plastic.
Dimensions	: Frontal: 65 mm X 18.9 mm. : Depth: 38 mm
Panel Cutout	: 66 X 19 mm (±1mm)
Mounting	: Panel mount.
Protection	: IP65 Frontal
Connections	: For Power Supply 1 Way, ST/A (Male) 2No's.
Display	: 3 X 10.16 mm 7 Segment CA Red Display
Power Input	: 9 to 16 VAC/DC (230 VAC External Transformer)
Current Consumption of Circuit	: 31 mA.
Rated Current	: 42 mA.
Operating Temp.	: 0°C to 60°C (non-condensing)
Operating Humidity	: 20% to 85% (non-condensing)
Storage Temp.	: -25°C to 60°C (non-condensing)
Storage Humidity	: 20% to 85% (non-condensing)
Measuring Range	: -10°C to 100°C.
Input	: NTC Sensor with Plastic Tip.
Resolution	: 0.1°C
Accuracy	: ± 1°C

Connection Diagram



Operating Message

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Probe short circuit, circuit open or without probe, or temperature is > 100°C or < -10°C.

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