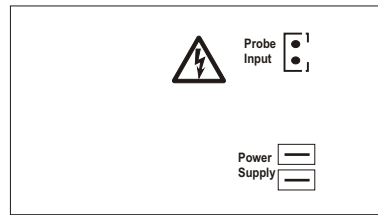


Specification and Operating Instructions



Wiring Diagram



Description

EKTBIG01 thermometer has been specifically designed to visualize temperature in an easy and comfortable way, thanks to its 30,6 mm high brightness big display. Display color are available under demand. Measurement range is -40°C a 99°C.

Model References.

The model reference is given by: EKTBIG01WXYZ
Each suffix can take the following values:

W	Humidity protection	H=Protected, None=Non protected
X	Display Color	R=Red, G=Green, B=Blue
Y	Voltage Supply	110=115Vac, 230=230Vac 90255=90-255Vac, 12=12Vac/dc
Z	Units	C=°C, F=°F

Installation

Thermometer has to be installed protected from vibrations, impacts, water or corrosive gas.

A 91 x 45 mm cut-out panel is needed to introduce the control. Apply silicone so achieve the desired tightness.

Fix the thermometer by pressing the front towards the cut-out panel.

Wiring



Important!: Connect / Disconnect the Probe when the device is turned off.

EKTBIG01WX90255Z models probe is power supplied.

Avoid installing probe cables in proximity of power cables.

Maintenance, Cleaning and Repair

After the installation there are no maintenance tasks required.

Clean the surface of the controller with a soft, damp cloth.

Never use abrasive detergents, petrol, alcohol or solvents.

All the repairs must be carried out by authorised people.

Technical Data

Voltage supply

115 Vac $\pm 10\%$, 230Vac $\pm 10\%$, 12 Vac/dc $\pm 10\%$,
90 - 255 Vac 50/60Hz

Power supply

4VA (230V/115V) 1,5VA(12V)

Storage Temperature

from -20°C to 80°C (from -4 to 176°F)

Operating Temperature

from 0°C to 55°C (32 to 131°F)

Temperature Probe

NTC 10K at 25°C

Probe Range

-40°C to 99°C (-40 to 99°F)

Accuracy

Better than 1% full scale

Resolution

0.1° from -9.9° to 9.9° (1° out of this range)

Display

2 digits + sign

Dimensions

Models EKTBIG01WX90255Z and EKTBIGW01X12Z
96 x 50 x 20 mm (3.78 x 1.97 x 0.79 in)

Models EKTBIG01WX110Z and EKTBIG01WX230Z
96 x 50 x 30 mm (3.78 x 1.97 x 1.18 in)

Led Indications and Display Messages

In case of probe error the following messages are shown blinking:

"oo": Open probe

"--": Short-circuited probe

Open probe is detected when temperature $< -40^{\circ}\text{C}$ (-40°F)

Short-circuited probe is detected when temperature $> 110^{\circ}\text{C}$ (230°F)

