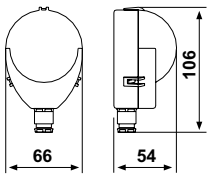
EC
Temperature probes for electronic control units

Temperature probes are used for receiving the necessary information for the electronic control units operation.

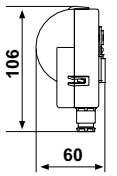
EC11-EC14


EC12-EC15

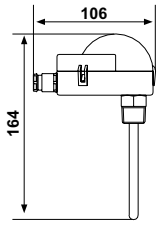
Dimensions (mm)



EC11-EC14



EC12-EC15



EC13-EC16

	Description	Suitable for	Controlled liquid max. temperature	Protection degree
EC11	external probe	EV02F - EV05M	-40 ÷ 80°C	IP55
EC12	contact delivery probe	EV02F - EV05M	-40 ÷ 120°C	IP55
EC13A	immersion delivery probe	EV02F - EV05M	-40 ÷ 150 C	IP55
EC14	external probe	EV60 - EV83 - EV70A - EV70D - EV80 - EV84 - EV85 - EV87 - EV90 - EV91	-40 ÷ 80°C	IP55
EC15	contact delivery probe	EV60 - EV83 - EV70A - EV70D - EV80 - EV80E - EV84 - EV85 - EV85E - EV87 EV90 - EV91	-40 ÷ 120°C	IP55
EC16A	immersion delivery probe	EV60 - EV83 - EV70A - EV70D - EV80 - EV80E - EV84 - EV85 - EV85E - EV87 EV90 - EV91	-40 ÷ 150 C	-
EC17	well probe	EV60 - EV84	-30 ÷ 85 °C	-
EC21	probe for high temperature	EV40	-40 ÷ 280 °C	-

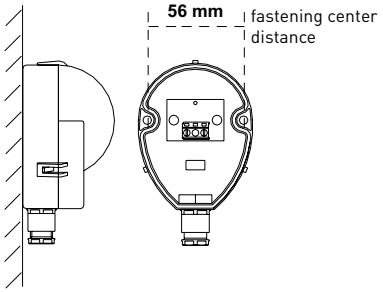
STANDARDS AND HOMOLOGATIONS

In conformity with EN 60730-2-9 standard

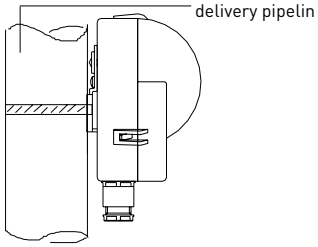
CE EAC

INSTALLATION

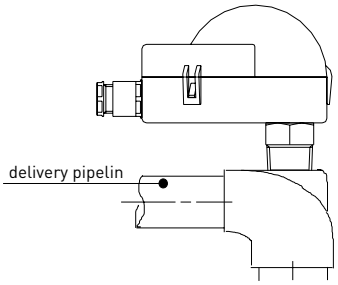
EXTERNAL PROBES EC11-EC14
Install the external probe on the north or north-east side at the half-height of the building, away from protruding sections, windows, doors, ventilation grilles, etc.



CONTACT DELIVERY PROBES EC12-EC15
Install the contact probe on the water delivery pipe and downstream of the mixing valve, to a minimum distance of 1,50 meters from the valve and possibly after a pipe elbow. The contact probe should be mounted by interposing the heat conducting paste between the surfaces involved, while making sure adherence is good.



IMMERSION DELIVERY PROBES EC13A-EC16A
Screw the probe into the curve provided on the water delivery pipe, downstream of the mixing valve with a minimum distance of 1,5 meters.



OPERATION

The temperature probes are the detectors through which the control units receive the necessary information for their operation. The sensing element consists of NCT linearized thermistors, therefore no part is moving and isn't subjected to mechanical wear.

FEATURES

EXTERNAL PROBES EC11-EC14
- Case in thermoplastic material.
- Linearized NTC thermistor heat-sensitive element.
- Bipolar terminal board.
- G1/4" cable gland.

CONTACT DELIVERY PROBES EC12-EC15
- Case in thermoplastic material.
- Linearized NTC thermistor heat-sensitive element.
- Bipolar terminal board.
- G1/4" cable gland.
- Plastic clamp that can be reused for fastening to the pipe.

IMMERSION DELIVERY PROBES EC13-EC16
- Case in thermoplastic material.
- Linearized NTC thermistor heat-sensitive element.
- Bipolar terminal board.
- G1/4" cable gland.
- Metal protection sheath with G1/2 conical connection for pressure seal.

WELL PROBE EC17
- NTC10K temperature probe.
- Brass capsule 6x35mm.
- Double insulation bipolar cable (white-red inside, grey outward) with 2x0.35mm² cable section, length=1.5 meters.
- Tinned terminals. Insulation: ›100mohm @500Vac.

FLOOR PROBE EC19
- NTC10K temperature probe.
- Nylon capsule 7x25mm.
- Double insulation PVC bipolar cable (white outward) with 2x0.50 mm² or 2x0.35 mm² cable sections. length=3 meters.
- Tinned terminals. Insulation: ›100mohm @500Vac.

PROBE FOR SOLAR PANELS EC21
- Stainless steel capsule 3x60mm.
- Bipolar cable in PTFE.
- 2x0.15mm² cable section. length = 1,5 meters.
- Terminals: previously insulated leads. Insulation: ›20Mohm @500Vac.