

# > em4

## Accessories

### Temperature sensors

> Integrated converter: 0-10 V output for direct connection to the em4 analog inputs



Zone/space probe



Ventilation duct



External probe

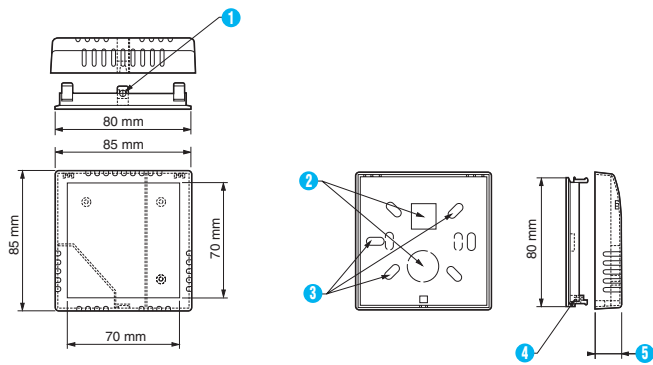
| Specific Characteristics              |               |                 |                              |                   |                  |            |
|---------------------------------------|---------------|-----------------|------------------------------|-------------------|------------------|------------|
| Description                           | Range         | Accuracy        | Supply                       | Protection casing | Protection probe | Code       |
| Zone/space probe                      | -10 → +40 °C  | -0.2 °C +1.2 °C | 24 V $\overline{\text{---}}$ | IP30              | -                | 89 750 150 |
| Ventilation duct                      | -10 → +60 °C  | -0.2 °C +1.9 °C | 24 V $\overline{\text{---}}$ | IP65              | IP30             | 89 750 151 |
| External probe                        | -10 → +40 °C  | -0.2 °C +1.9 °C | 24 V $\overline{\text{---}}$ | IP65              | -                | 89 750 152 |
| Remote/submersible probe              | -10 → +150 °C | -0.2 °C +1.2 °C | 24 V $\overline{\text{---}}$ | IP65              | IP67             | 89 750 153 |
|                                       |               |                 |                              |                   |                  |            |
| Accessories                           |               |                 |                              |                   |                  |            |
| Description                           | Accuracy      |                 | Protection casing            |                   | Code             |            |
| 316 stainless steel protective sleeve | -20 → +400 °C |                 | 16 bar                       |                   | 89 750 147       |            |

| General characteristics         |                                             |
|---------------------------------|---------------------------------------------|
| Environmental characteristics   |                                             |
| Ambient characteristics         | -10 → +60 °C                                |
| Ambient humidity                | 5 → 95 % RH                                 |
| Housing material                | Self-extinguishing                          |
| Electrical characteristics      |                                             |
| Supply voltage                  | 24 V $\overline{\text{---}}$ ( $\pm 10\%$ ) |
| Output                          | 0 → 10 V $\overline{\text{---}}$            |
| Drift Temperature (%/ °C)       | 0.01 % / °C of full scale                   |
| Temperature coefficients Offset | 1.5 mV / °C                                 |

#### Diagrams

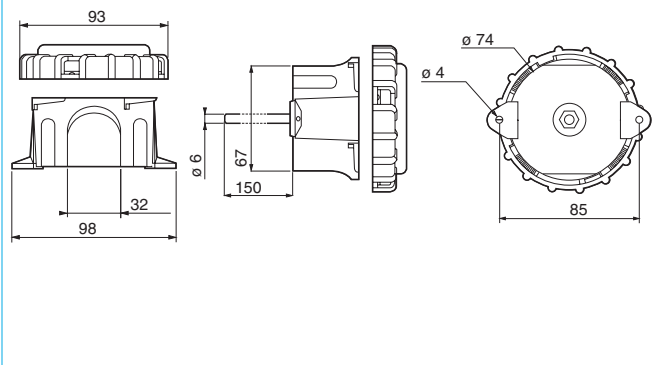
## Dimensions (mm)

## 89 750 150

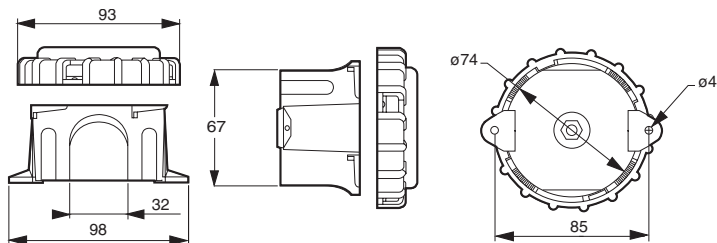


- 1 Ø3 mm for em4 x 8 screw
- 2 Cut-outs made prior to delivery
- 3 Fixing holes
- 4 Indentation for em4 square nut
- 5 Total depth 26 mm

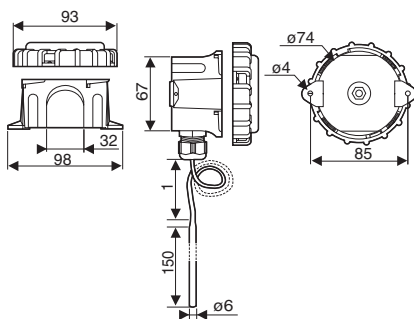
## 89 750 151



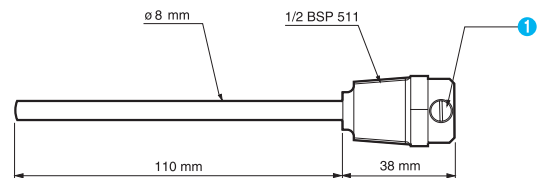
## 89 750 152



## 89 750 153



## Accessory 89 750 147 for 89 750 153



- 1 M4 screw