

# › em4, Millenium 3

## Accessories

### Temperature sensors

› Integrated converter: 0-10 V $\overline{\text{---}}$  / 4-20 mA output for direct connection to the em4 and Millenium 3 analog inputs



Zone/space probe



Remote/submersible probe



External probe

| Specific Characteristics |               |           |                              |                   |                  |            |
|--------------------------|---------------|-----------|------------------------------|-------------------|------------------|------------|
| Description              | Range         | Accuracy  | Supply                       | Protection casing | Protection probe | Code       |
| Zone/space probe         | -10 → +50 °C  | See curve | 24 V $\overline{\text{---}}$ | IP30              | -                | 89 750 190 |
| External probe           | -30 → +70 °C  | See curve | 24 V $\overline{\text{---}}$ | IP65              | -                | 89 750 192 |
| Remote/submersible probe | -10 → +110 °C | See curve | 24 V $\overline{\text{---}}$ | IP65              | IP67             | 89 750 193 |

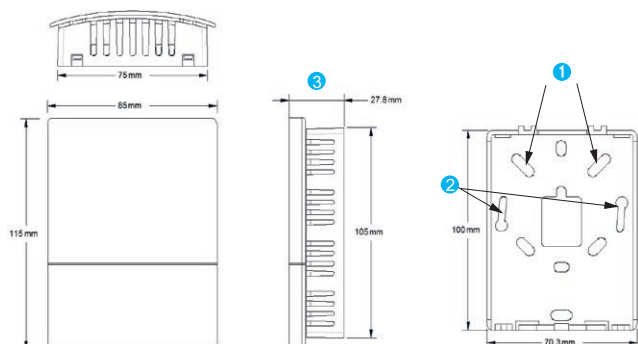
| Accessories                           |               |                   |            |  |
|---------------------------------------|---------------|-------------------|------------|--|
| Description                           | Accuracy      | Protection casing | Code       |  |
| 316 stainless steel protective sleeve | -20 → +400 °C | 16 bar            | 89 750 147 |  |

| General characteristics       |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| Environmental characteristics |                                                                                |
| Ambient characteristics       | -10 → +40 °C                                                                   |
| Ambient humidity              | 0 → 95 % RH no condensing                                                      |
| Housing material              | ABS (flame retardant)                                                          |
| Electrical characteristics    |                                                                                |
| Supply voltage                | 24 V $\overline{\text{---}}$                                                   |
| Output                        | 0 → 10 V $\overline{\text{---}}$ / 4 - 20 mA self-detecting (not loop powered) |

## Diagrams

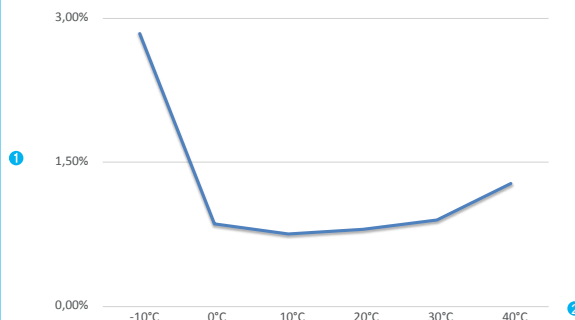
### Dimensions (mm)

#### 89 750 190



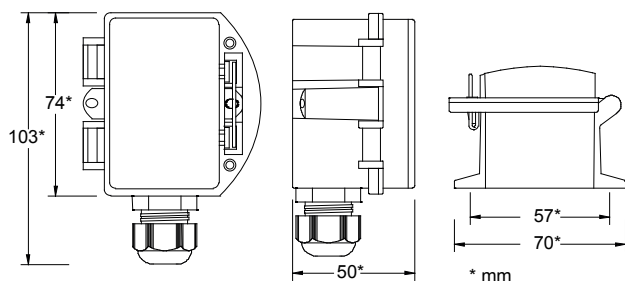
- 1 Cut-outs made prior to delivery
- 2 Fixing holes
- 3 Total depth 27.8 mm

#### 89 750 190

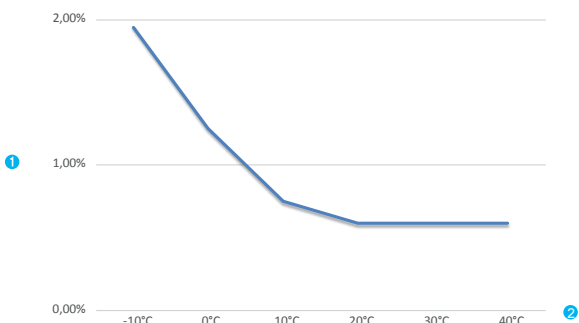


- 1 Accuracy
- 2 Temperature

#### 89 750 192

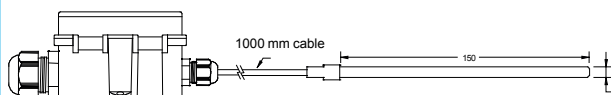


#### 89 750 192

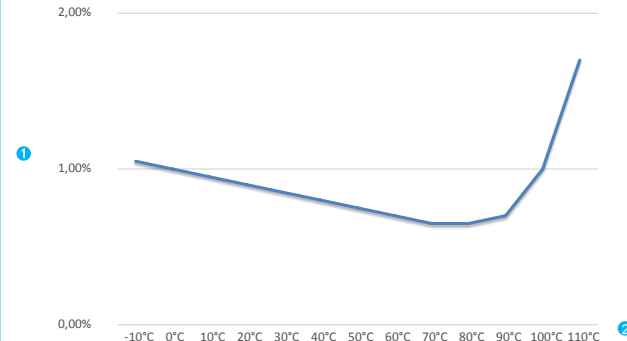


- 1 Accuracy
- 2 Temperature

#### 89 750 193

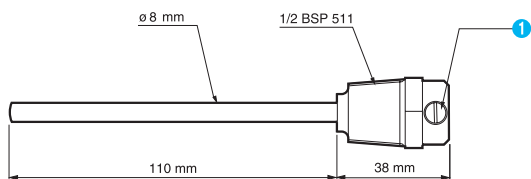


#### 89 750 193



- 1 Accuracy
- 2 Temperature

#### Accessory 89 750 147 for 89 750 193



- 1 M4 screw

## Connections

89 750 190

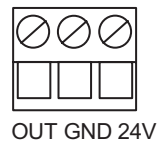


**OUT** Auto-selecting 0-10 V<sub>DC</sub> or 4-20 mA (3-wire) output

**GND** Common 0V

**24V** Supply +24 V<sub>AC</sub> or V<sub>DC</sub>

89 750 192 / 89 750 193



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