

Humidity & Temperature Transmitter

E2228

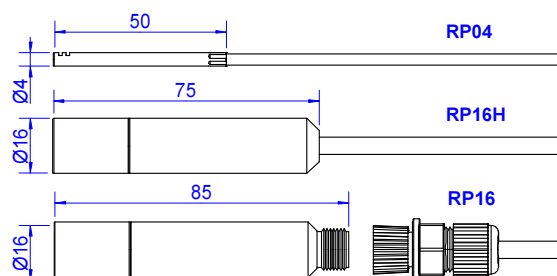
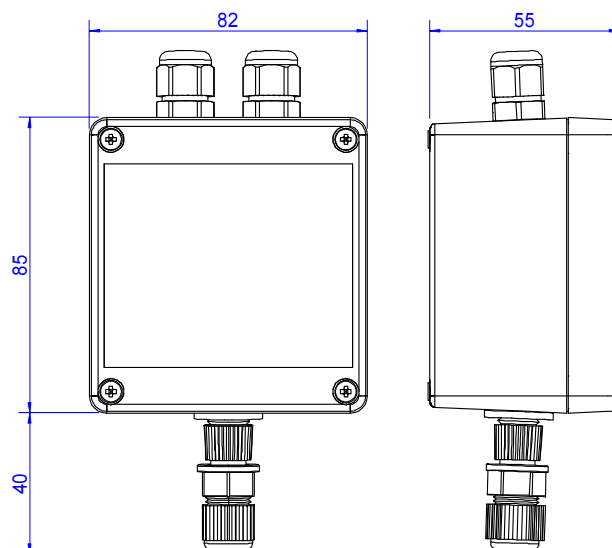


Features

- Excellent repeatability and stability
- Fully calibrated and temperature compensated
- Heavy duty IP65 protected enclosure
- 0-10 V or 4-20 mA switchable analog outputs
- Two relays for thermostat / hygrostat functionality
- RS485 Modbus RTU digital interface
- Range of remote probes

Specifications

Sensors	digital combined RH and T sensors
Measurement range	0...100 %RH, -40...+125 °C
Resolution	0,1 %RH / 0,1 °C
Accuracy	±2,5 %RH (optionally ±1,8 %RH) ±0,3 °C
Response time	~15 seconds
Self-diagnostics	full functionality check at start-up
Warm-up time	≤ 1 s
Power supply	11...30 VDC, nominal 12 / 24 VDC, optional inner 90...265 VAC module
Power consumption	< 1,5 W
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable, freely configurable scales
Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max
Fieldbus interface	RS485, Modbus RTU protocol
Cable connections	screwless terminal blocks
Probe connector	Round industrial M12, I68
Enclosure	light grey ABS, wall mount, protection class IP65
Dimensions	H85 × W82 × D55 mm
Operating environment	industrial indoor and outdoor places
Operating conditions	-40...+85 °C, 0...100 %RH
Attached probe -W	M12 connector-based
Duct-mount version -DM	tube Ø16×L200 mm, -40...+125 °C
Micro-probe -RP04	st. steel Ø4×L50 mm with vent slots, cable 2 m or 5 m, -40...+85 °C
Remote probe -RP16	POM Ø16×L75 mm, M12 plug, PVC cable 2 m or 5 m, -40...+85 °C
Remote probe -RP16H for harsh environment	POM Ø16×L75 mm, PTFE cable 2 m or 5 m, -40...+125 °C





E2228-DM



E2228-W



E2228-RP16



E2228-RP04



E2228-RP16H



RH + T probes