

Duct Mount Humidity & Temperature Transmitter E2228-DM


 4-20 mA
 0-10 V

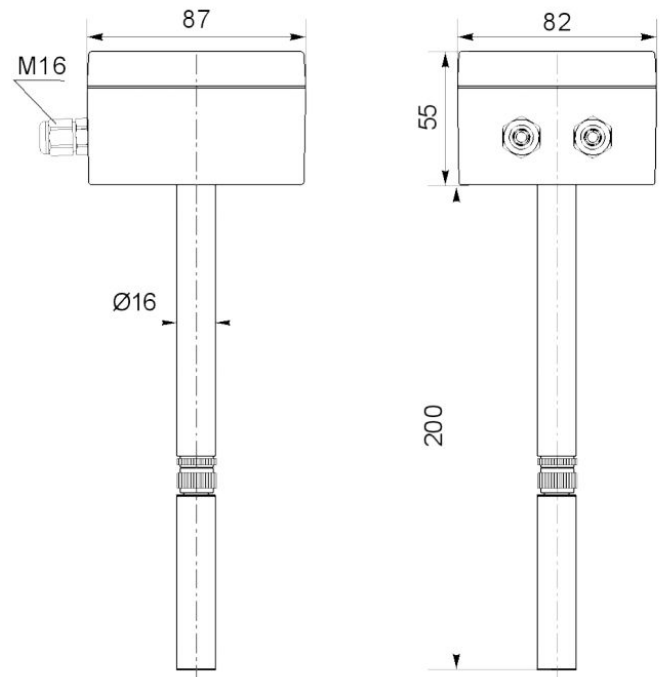
 RS485
 Modbus


Features

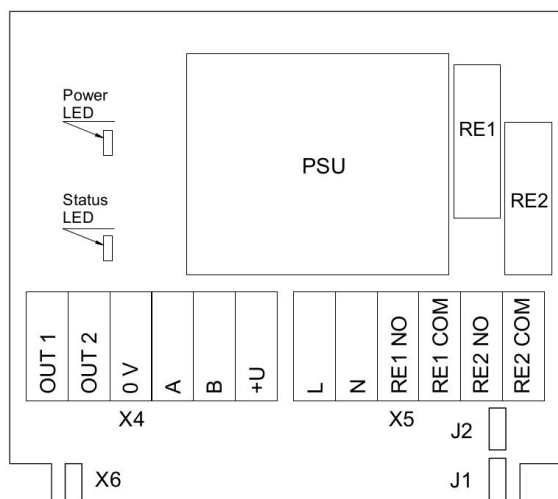
- Excellent repeatability and stability
- Fully calibrated and temperature compensated
- Heavy duty IP65 protected enclosure
- 0-10 V or 4-20 mA switchable analog outputs
- Two relays for thermostat / hygostat functionality
- RS485 Modbus RTU digital interface

Specifications

Sensor	Digital combined RH and T sensor
Measurement range	0...100 %RH, -40...+85 °C (non-condensing)
Calculated parameters	Dew point, absolute humidity
Resolution	0,01 %RH / 0,01 °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	12...36 VDC (default) 24 VAC or 230 VAC as options
Power consumption	< 1,5 VA
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
Cable connections	Screwless terminal blocks
Probe	Tube Ø16×L200 mm, -40...+85 °C
Enclosure	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 (non-condensing)



Connection diagram



Jumpers

J1	OUT1 type (open: 4-20 mA; closed 0-10 V)
J2	OUT2 type (open: 4-20 mA; closed 0-10 V)
X6	Reset Modbus network parameters to default

X4 terminals

OUT1	4-20 mA / 0-10 V output
OUT2	4-20 mA / 0-10 V output
0V	0 V / 24 VAC Neutral (optional)
A	RS485 A / Data +
B	RS485 B / Data -
+U	+24 VDC / 24 VAC Phase (optional)

X5 terminals (optional)

L	90...265 VAC Phase
N	90...265 VAC Neutral
RE1 NO	Relay 1, normally open terminal
RE1 COM	Relay 1, common terminal
RE2 NO	Relay 2, normally open terminal
RE2 COM	Relay 2, common terminal



Authorized Distributor
 APL ASIA CO., LTD.
 11/129-132 Moo.5 Lamlukka Rd.,T.Kookut, A.Lamlukka, Pathumthani 12130 Thailand.
 TEL. 0-2995-4461-3, FAX. 0-2995-4464
 www.apl-asia.com
 EMAIL : sales@apl-asia.com
 LINE@ : @APL-ASIA