

REDBIN-D THERMOSTATS/HYGROSTATS

Zones 2, 22

Full catalogue available on our website: www.inpratex.com

ATEX INSTRUMENTATION

ZONES 2 (gas) & 22 (dust)



RedBin-D explosion-proof transmitter for ExPro-B... temperature/humidity sensors, for all types of gases, mists, vapours and dust for use in zone 2 and 22.

- Actual value indication display
- Status indicator via LEDs

All sensors are programmable on site without any additional tools. The switching points are scalable within the maximum ranges. The integrated display (can be switched off as needed) is for parametrisation and an actual value indication at working mode.



EU-Type Examination Certificate

THERMOSTATS AND/OR HYGROSTATS FOR ZONE 2, 22

Type:	Technical data:	Module:	Sensor ExPro-B:	Article No.:
RedBin-D	Module for connection of one ExPro-B... sensor as thermostat and/or hygrostat, 1-stage	Zone 2, 22	Zone 2, 22	9A1701
RedBin-D-2	Module for connection of one ExPro-B... sensor as thermostat and/or hygrostat, 2-stage	Zone 2, 22	Zone 2, 22	9A1702

TECHNICAL DATA

Marking:	II 3(1)G Ex nC [ia Ga] IIC T6 Gc II 3(1)D Ex tc [ia Da] IIIC T80°C Dc IP66
Certificate:	EU-Type Examination Certificate
Power supply:	24 VAC / DC, 50...60 Hz
Current consumption:	150 mA
Electrical connection:	Terminals 0,14...2,5 mm ² at integrated Ex terminal box
Display / Control elements:	Matrix LCD / 3 buttons for configuration
Outputs:	Potential free switching contact - breaking / making contact, adjustable per menu Max. rating load.: 0,5 A (30 VAC/DC) - 0,1 A (220 VDC) Power 40 W, 10 W per channel Min. rating load: 10 mW / 0,1 V / 1 mA
Housing:	Aluminium IP66
Ambient temperature - humidity:	-20...+50 °C / 0...95 % rH
Dimensions:	180 × 107 × 66 mm
Weight:	~ 1 Kg
Cable entries:	2xM16x1,5 plastic cable gland

SENSORS FOR ExBin-D AND RedBin-D MODULES

Type:	Function:	Range:	Sensor length:	Main use:
ExPro-BT - 50	Thermostat	-40 to +80 °C	50 mm	Room/Duct
ExPro-BT - 100	Thermostat	-40 to +125 °C	100 mm	Duct
ExPro-BT - 150	Thermostat	-40 to +125 °C	150 mm	Duct
ExPro-BT - 200	Thermostat	-40 to +125 °C	200 mm	Duct
ExPro-BF - 50	Hygrostat	0...100%rH	50 mm	Room/Duct
ExPro-BF - 100	Hygrostat	0...100%rH	100 mm	Duct
ExPro-BF - 150	Hygrostat	0...100%rH	150 mm	Duct
ExPro-BF - 200	Hygrostat	0...100%rH	200 mm	Duct
ExPro-BTF - 50	Combination Thermostat/Hygrostat	-40 to +80 °C, 0...100%rH	50 mm	Room/Duct
ExPro-BTF - 100	Combination Thermostat/Hygrostat	-40 to +125 °C, 0...100%rH	100 mm	Duct
ExPro-BTF - 150	Combination Thermostat/Hygrostat	-40 to +125 °C, 0...100%rH	150 mm	Duct
ExPro-BTF - 200	Combination Thermostat/Hygrostat	-40 to +125 °C, 0...100%rH	200 mm	Duct

ACCESSORIES AND SPECIAL DESIGNS

Type:	Technical data:
MKR	Mounting bracket for installation on round air-ducts (diameter up to 600 mm)