

EXREG-D TEMPERATURE / HUMIDITY CONTROLLER

Zones 1, 2, 21, 22

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ATEX INSTRUMENTATION

ZONES 1, 2 (gas) & 21, 22 (dust)



Compact temperature or humidity controller for use in HVAC systems, in chemical, pharmaceutical, industrial and offshore/onshore plants in hazardous areas zone 1, 2 (gas) and zone 21, 22 (dust).

Delivery:

Electric temperature or humidity controller with integrated terminal box (ExReg.. with "Ex-e") and connection for 1 ExPro-C.. sensor, 3 tapping screws.

- No additional module in the panel required
- No intrinsically safe wiring required
- Meas. range -40...+125°C / 0...100%rH
- Power supply 24 VAC/DC
- Switch-on delay 3 seconds
- PID controller
- Programmable w/o additional tools
- Alarm with alarm delay function
- LCD backlight, can be switched off
- Aluminium housing protection IP66
- Integrated terminal box (ExReg.. with "Ex-e")
- Optional offshore / marine coated or stainless steel edition
- H x W x D = 180 x 107 x 66 mm



EU-Type Examination Certificate

ExReg-D TEMPERATURE / HUMIDITY CONTROLLER FOR ZONE 1, 2, 21, 22

Type:	Sensor:	Supply:	Meas. range:	Connection / Interface (analogue):	Item No.:
ExReg-D-A	ExPro-C..	24 VAC/DC	-40...+125°C / 0...100%rH	1 x actuator, 1 x set point, 1 x actual value, 1 x position actuator	9A2701

SENSORS FOR ..Reg-D.. CONTROLLER

Type:	Function:	Range:	Sensor length:	Main use:
ExPro-CT - 50	Temperature sensor	-40 to +80 °C	50 mm	Room/Duct
ExPro-CT -100	Temperature sensor	-40 to +125 °C	100 mm	Duct
ExPro-CT -150	Temperature sensor	-40 to +125 °C	150 mm	Duct
ExPro-CT -200	Temperature sensor	-40 to +125 °C	200 mm	Duct
ExPro-CF - 50	Humidity sensor	0...100%rF	50 mm	Room/Duct
ExPro-CF -100	Humidity sensor	0...100%rF	100 mm	Duct
ExPro-CF -150	Humidity sensor	0...100%rF	150 mm	Duct
ExPro-CF -200	Humidity sensor	0...100%rF	200 mm	Duct

ACTUATORS FOR ..REG-V300.. CONTROLLER

Type:	Torque:	Running time 90°:	Spring return:	Control mode:	Feedback:	Item No.:
ExMax- 5.10-CY	5 Nm / 10 Nm	7,5/15/30/60/120 seg.	-	4...20 mA	0...10 V	9A1807
ExMax- 15.30-CY	15 Nm / 30 Nm	7,5/15/30/60/120 seg.	-	4...20 mA	0...10 V	9A1808
ExMax- 5.10-CYF	5 Nm / 10 Nm	7,5/15/30/60/120 seg.	~ 10 sg	4...20 mA	0...10 V	9A1809
ExMax- 15- CFY	15 Nm	7,5/15/30/60/120 seg.	~ 10 sg	4...20 mA	0...10 V	9A1810

ACCESSORIES AND SPECIAL DESIGNS

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

