Electronic Duct Hygrostats





ergy & osphere

Indoor Environmental

QFM81.21 Electronic Duct Hygrostat with Internal Setpoint.

QFM81.2 Electronic Duct Hygrostat with External Setpoint.

Description

On/off hygrostat with microswitch, and temperaturecompensated humidity sensor for temperatureindependent humidity measurements.

Features

- Stabilized sensing strip (good linearity, very stable even at high humidity, insensitive to dust and contaminated air)
- Can be mounted in ventilating ducts or rooms

Applications

For controlling humidification and dehumidification equipment.

QFM81 Electronic Duct Hygrostats Specifications

Setpoint Range Control Mode	
Type of Switch	
Contact Rating Maximum Minimum	
Temperature Influence	Compensated
Long-term Stability	Approximately -1.5% rh/a
Balancing	At 55% rh, 73°F (23°C)
Time Constant (v = 0.2 m/s)	Approx. 3 minutes
Permissible Air Velocity	10 m/s
Permissible Ambient Temperature Operation Storage/transport	
	IP 30 to EN 60 529

Safety Class	II to EN 60 730
Electrical Connection Screw Terminals	20 AWG Minimum 2 x 16 AWG Maximum
Casing with StemPPS	Polymer S, Fortron 1140L6, Fiberglass Reinforced PC Lexan 940
	UL listed for UL873
·	CUL Canadian Standard C22.2 No. 24-93
weight	Approx. 12 ounces (0.34 kg)

QFM81 Electronic Duct Hygrostats Product Ordering

Description	Control Range	Type of Control	Part No.
Duct	15 to 95% RH	Humidity Switch with External Setpoint	QFM81.2
Duct	15 to 95% RH	Humidity Switch with Internal Setpoint	QFM81.21

NOTE: Includes a mounting flange (for duct or wall mounting) and a sealing ring (for duct mounting).

Accessories & Service Kits

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