

ADDRESSABLE FLOW BLOCK 872AFB



Introduction

The MT872AFB is an addressable flow block transducer, which is mainly used to measure single flow in the cable pressurized system in a central office. It can measure the pressure, temperature, humidity and the duty cycle of the dry compressed air. Being compatible with Monitronix or Sparton air pressure monitoring system, it can be read by Monitronix or Sparton addressable cable monitoring system.

Features

- Microprocessor based.
- Flow, pressure, temperature and humidity measurements included.
- With the measurement of compressor current, it computes the duty cycle of the compressor to help the user evaluate the dryer's efficiency.
- Compatible with Monitronix/Sparton addressable monitoring system.
- With the advanced transducers and scientific design, less than 0.2 psi pressure drop through the 872AFB.
- Advanced compensation technique gives high accuracy of flow measurement.
- LED indicators for run and pair status.
- Electronic address setting using a portable tester.
- High resolution and accuracy
- Drop-in replacement for ageing mechanical type flow panel.

Contact:

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General Characteristics

Description

The Addressable Flow Block 872AFB integrates flow, pressure, temperature and humidity transducers inside a single anodized aluminum alloy block to measure air flow, pressure, temperature and humidity in the cable pressurized system in the central office of telecommunications. Besides, according to compressor status and firmware computation, the 872AFB can determine its duty cycle to help the user evaluate the dryer's efficiency. The 872AFB has an air inlet and an air outlet which can make dry air through. Because of adopting advanced compensation technique, high accuracy of flow measurement can be achieved. Being completely compatible with Monitronix or Sparton air pressure monitoring system, it can be monitored by Monitronix or Sparton addressable cable pressure monitoring system such as Monitronix 800ACPMS. For local visibility, it contains two LED's for run and pair indicator which indicate its operation status. With its advanced technology and simple structure, it can be widely applied in the cable pressurized system of telecommunications.

Technical Characteristics

Controller	<ul style="list-style-type: none"> Processor 	<ul style="list-style-type: none"> Microprocessor T1 series
Electrical Noise Immunity	<ul style="list-style-type: none"> Technical Characteristics 	<ul style="list-style-type: none"> Meets CE and FCC Part 15 standards.
Environmental Conditions	<ul style="list-style-type: none"> Continuous operation Transportation and storage Relative humidity 	<ul style="list-style-type: none"> 0° to +50° C -40° to +70° C 0 to 95% non-condensing
Power	<ul style="list-style-type: none"> Input Voltage Power Consumption 	<ul style="list-style-type: none"> DC48V ±12V 1.5 watts maximum
Physical Properties	<ul style="list-style-type: none"> Dimensions Weight Mounting Communication Inlet/Outlet Size Power Pair CT(Compressor current) 	<ul style="list-style-type: none"> 106 x 82 x 74.5 mm 500g±20g Mounting hole 4 x Φ4 (76 x 60.5 mm locating) Direct hang-up with metal air pipe Addressable mode, compatible Monitronix and Sparton system G1/4 Screw Terminal Block Screw Terminal Block Screw Terminal Block
Measurement Performance	<ul style="list-style-type: none"> Measurement Range <ul style="list-style-type: none"> Flow Pressure Temperature Humidity Duty Cycle Measurement Accuracy <ul style="list-style-type: none"> Flow Pressure Temperature Humidity 	<ul style="list-style-type: none"> 5-100 SCFH 0-100 KPa 0-100 °C 0-100%RH 0-100% ±2 SCFH ±1 KPa ±1 °C ±2%RH(0-30%), ±3%RH(30-80%), ±5%RH(80-100%)
Absolute Maximum Ratings	<ul style="list-style-type: none"> Flow Pressure 	<ul style="list-style-type: none"> 200 SCFH 300 Kpa

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