

Intelligent Duct Temperature Transmitter

MXT-120



Applications

- ✓ Temperature Measurement in the fields of Heating, Ventilation and Air-Conditioning
- ✓ Recording of Minimum and Maximum values for critical environments
- ✓ Supervision of Critical Temperature



Intelligent Duct Temperature Transmitter – MXT-120

Features

- ✓ Temperature Measurement for air ducts
- ✓ Minimum & Maximum Temperature values are stored in memory
- ✓ 0...10V or 0...20mA output (Jumper Selection)
- ✓ Selectable Averaging Signal

Description

MAREX Solutions Ltd offers a perfect solution in Temperature Measurement via Duct Temperature Transmitters, in a wide range of applications. Engineered with optimum precision and guaranteed accuracy, they can fit in any application needed.

The transmitter measures the Temperature by the use of a NTC Thermistor. The microprocessor samples the temperature once per second. It calculates an averaging signal over a preset number of seconds and generates an output signal based on minimum and maximum temperature values. Standard range is 0...50°C and 10 seconds average. The range and averaging samples may be customized.

Using the programming tool, the user has the option to read out and reset minimum and maximum values. The minimum and maximum values may as well be sent to the output using OP00. This way the sensor may be used to supervise the temperature for critical environments. The minimum and maximum values are saved into the EEPROM every minute. They will still be available after a power failure.



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Specifications

Power Supply	24V AC 50/60Hz , 24V DC	
Temperature Range	-70...150°C	
Accuracy	±0.2K at 25°C	
Hysteresis	±3%	
Output	Output Signal	DC 0-10V or 0/4...20mA
	Resolution	10Bit, 9.7mV, 0.0195 mA
	Accuracy	±2%
	Maximum Load	20mA
Operating Temperature	-40 to +70°C	
Ambient Humidity	<95% RH	
Material	Fireproof ABS plastic, Stainless Steel Probe	
Standards	CE conformity according to EMC Standard 89/336/EEC & EMEI Standard 73/23/EEC EN 61 000-6-1 / EN 61 000-6-3	
Ingress Protection	IP56 to EN 60529	
Safety Class	III (IEC 60536)	
Dimensions	Instrument	42x112x88mm
	Probe	Φ6x200mm

