

HTX23 Series

OEM RH & Temperature Transmitter for Indoor Applications

FEATURES

- Humidity & Temp. measure
- Easy installation
- Compact & slim size
- Free 3m standard cable
- Fast response time
- Stable, low drift performance
- Chemically resistant

APPLICATIONS

- Refrigeration equipment
- HVAC equipment
- Humidifier & dehumidifier
- Medical equipment
- Drying
- Metrology
- Data logger
- OEM assemblies

HUMITRON® HTX23 series is a module for detection of temperature and humidity which is especially for OEM and satisfactory in aspects of price and quality. It provides users with 4~20mA standard interface and it is designed with compact and slim shape, so users don't need to consider any spatial restriction or exposure when it is installed inside or outside of various types of climate control units or control facilities.

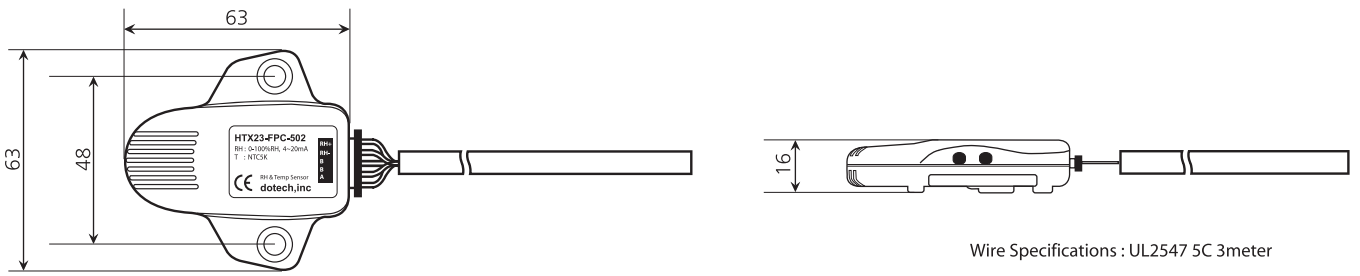


Also, it can help users to reduce unnecessary cost and to maximize works efficiency through combination of 4~20mA standard humidity output and various temperature outputs (including passive) according to users' needs.

SPECIFICATIONS

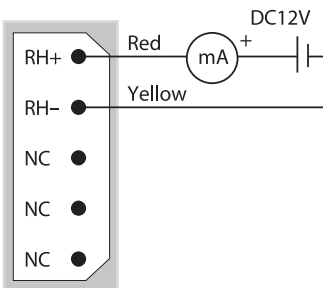
Item	Model	HTX23
Humidity	Range	0 ~ 100% (Non-Condensation)
	Accuracy	± 3.0%RH (20~80%RH)
	Repeatability	± 0.5%RH
	Response	Max. 15 sec.
	Output	4~20mA (Two wires type) : Load Resistance ≥ 250ohm at 12V Loop Power Supply Load Resistance ≥ 500ohm at 24V Loop Power Supply
Temperature	Range	-20°C ~ 80°C
	Accuracy	25 °C @ ± 0.4 °C
	Repeatability	± 0.1 °C
	Response	Max. 5 sec.
	Output	4~20mA (Two wires type) : Load Resistance ≥ 250ohm at 12V Loop Power Supply Load Resistance ≥ 500ohm at 24V Loop Power Supply
Passive Output (T-Sensor)		PT100, PT1k, NI1k, NTC5k, NTC10k
Voltage Supply		12Vdc(6 to 30Vdc)
Dimension(W×H×Dmm)		63×63×16 (mm)
Wiring Method		5-Pin Connector 3m cable (include)
Storage Condition		-25 ~ 50 °C, Non-Condensation
Operating Condition		-20 ~ 50 °C, 0 ~ 95%RH
Housing		PC-ABS
Weight		16 g

Housing / Mounting Dimension

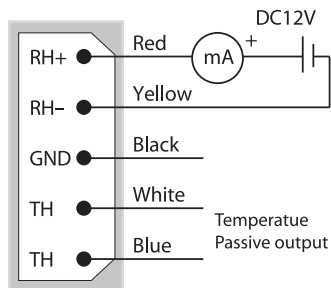


Connection Diagram

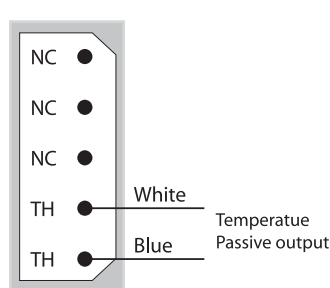
HTX23-FHC



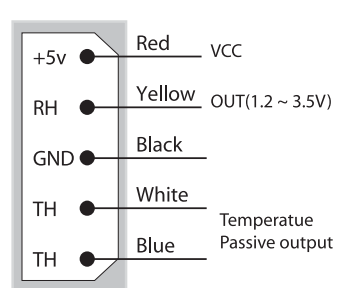
HTX23-FPC-502, -FPC-103



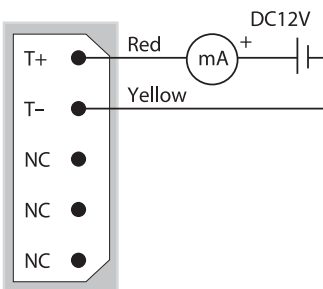
HTX23-FBS-502



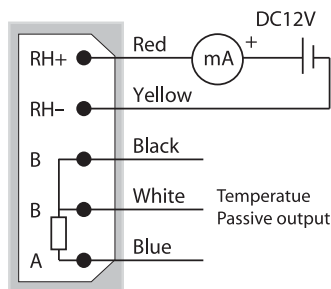
HTX23-FTS-102



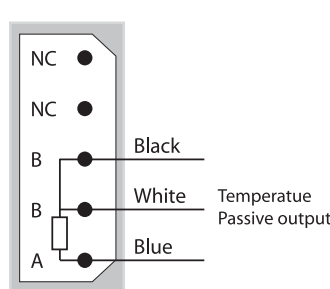
HTX23-FBCL, -FBCH



HTX23-FPC-PT100, -PT1000



HTX23-FBS-PT100



Load Resistance \geq 250ohm at 12V Loop Power Supply

Ordering Guide

Basic	Series	Type	Description
HTX	23		HUMITRON HTX 23 Series Transmitters
		FHC	Humidity (4...20mA)
		FPC-502	Humidity (4...20mA), Temperature (NTC 5Kohm Passive)
		FPC-103	Humidity (4...20mA), Temperature (NTC 10Kohm Passive)
		FPC-PT100	Humidity (4...20mA), Temperature (PT100ohm Passive)
		FPC-PT1000	Humidity (4...20mA), Temperature (PT1000ohm Passive)
		FTS-102	Humidity (1.2 ~ 3.5V), Temperature (NTC 1Kohm Passive)
		FBCL	Temperature (4...20mA), -30°C ... 70°C
		FBCH	Temperature (4...20mA), -20°C ... 80°C
		FBS-502	Temperature (NTC 5Kohm Passive)
		FBS-PT100	Temperature (PT100ohm Passive)