

## Challenge and Innovation

High precision transmitter with high reliability and stability

# DOTECH

SENSING & CONTROL

HUMITRON®



## Communication type temperature and humidity sensor HTX23C

- Integrated module with temperature, humidity sensor
- Up to 100 nodes can be connected (RS485 models)
- Compact design, slim size
- Easy installation, Offer 3m cable
- Support the various types of communications protocol



## Communication type temperature and humidity sensor

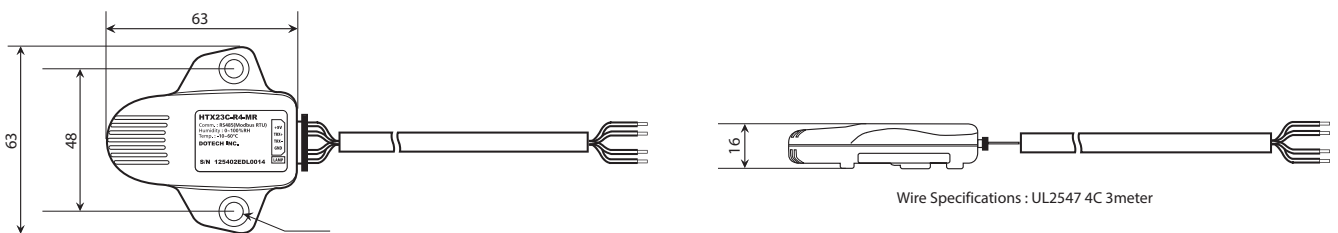
HUMITRON HTX23C Series is integration sensor for temperature & humidity with communication function and satisfy both price and performance. It's offering variety communication interface in accordance with user interface and design for compact & slim size can be optimized for installation of inner or external of equipment & facilities without limit of space and unnecessary expose.

### Common Specifications

	HTX23C-ST-MR	HTX23C-ST-DT	HTX23C-R2-MR	HTX23C-ST-DT	HTX23C-R4-MR	HTX23C-S4-DT
Humidity	Measuring range		0 ~ 100 %RH (non dew condensation)			
	Accuracy		±3.0 %RH (20 ~ 80 %RH)			
	Repeatability		±0.2 %RH			
	Responsiveness		Max 7 seconds			
Temperature	Measuring range		-10 ~ 60 °C			
	Accuracy		±0.3 °C (20 ~ 40°C)			
	Repeatability		±0.1 °C			
	Responsiveness		5 seconds			
Communication type / Protocol	TTL / Modbus RTU	TTL / Dtbus	RS232 / Modbus RTU	RS232 / Dtbus	RS485 / Modbus RTU	RS485 / Dtbus
Power Supply	5 Vdc , ±5%					
Rated Power	MAX 50 mW					
Connector	4 Pin connectors					
Dimensions	63(W)mm X 63(H)mm X 16(D)mm					
Storage	Temperature -20 ~ 70 °C / Humidity less than 95%RH (non dew condensation)					
Material	PC-ABS					
Weight	16g					

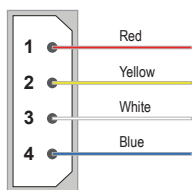
Offer communication cable (3m)

### Dimensions



Wire Specifications : UL2547 4C 3meter

### Wiring



No	Type		Description
	RS485	RS232, TTL	
1	Vdc+		Power input 5Vdc
2	TRX +	TXD	Communication signal
3	TRX -	RXD	
4	GND		GND

### Communications

Transmission line connection	Multiple line
Communications method	TTL, RS232, RS485
BPS	default 9600 BPS
Parity, Data, Stop bit	None, 8 Data, 1 Stop
Protocol Type	Modbus RTU Mode or Dtbus Mode
Maximum Read Word	Modbus RTU Mode : 32Word
Poll interval	100msec