

DL-10-BK



DL-10

Remote Temperature/Humidity/Dew Point Sensing Module

Features

- Measurement Ranges: -25 ~ +75°C and 0 ~ 95% RH
- Accuracy: ±0.4°C; ±3.0% RH
- 10 ~ 30 VDC Power Input
- RS-485 Communication interface
- Modbus RTU Protocol

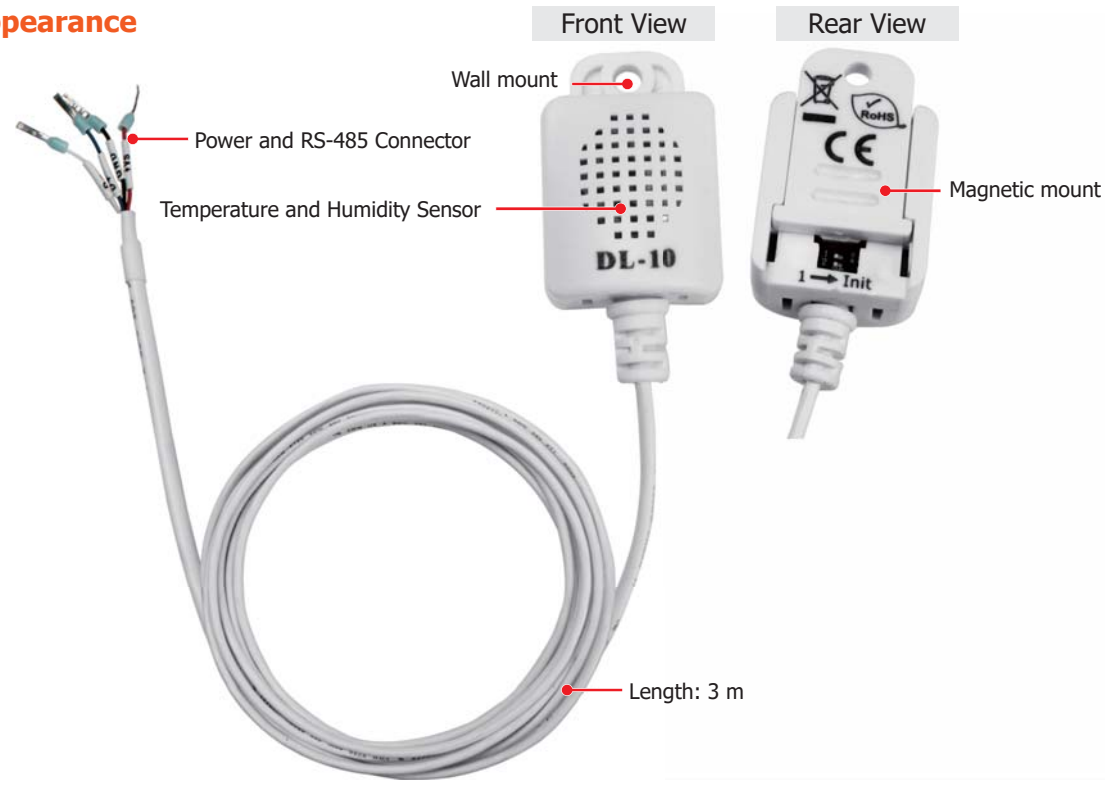
Introduction

The DL-10 is a RS-485 remote temperature, humidity and dew point module that gives you real time temperature, humidity and dew point information at the same time. It contains an RS-485 communication interface and an sensor for measuring temperature, humidity and dew point. The DL-10 module supports Modbus RTU communication protocol for getting measured temperature, humidity and dew point values. DCON Utility Pro provides easy and convenient interfaces for users to configure the module. Based on an amazing tiny form-factor, the DL-10 achieves the maximum space savings that allows it to be easily installed anywhere.

Applications

- Transportation of food or pharmaceuticals
- Food and beverage industry (HACCP)
- Blood stations, pharmacies
- Building and energy management
- Warehouses
- Museums, archives, galleries

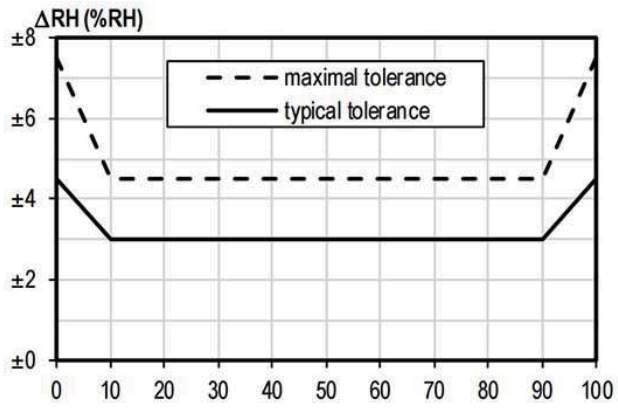
Appearance



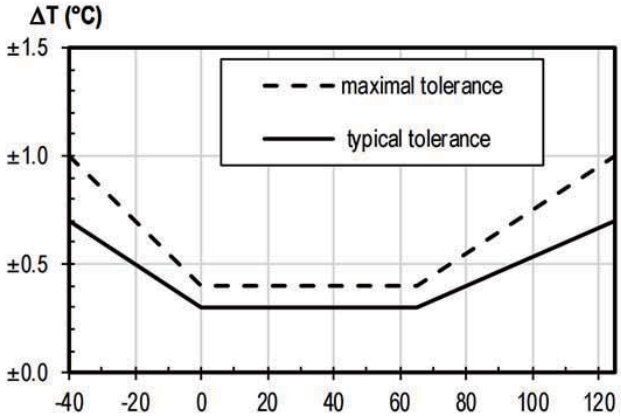
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Specifications

Models	DL-10-BK	DL-10
Temperature Measurement		
Range	-25 ~ +75°C (-13 ~ +167°F)	
Resolution	0.1°C	
Accuracy	Typical: ±0.4°C	
Humidity Measurement		
Range	0 ~ 95% RH	
Resolution	0.1°C	
Accuracy	Typical: ±3% RH @ 20 ~ 80% RH	
Dew Point		
Range	Calculated using temperature and relative humidity	
Resolution	0.1°C	
LCD Display		
Displayed Information	-	
Data Logger		
Time Interval	-	
Max. Records	-	
Mode	-	
Overwrite Limitation	-	
COM Ports		
Ports	1 x RS-485, Non-isolated	
Baud Rate	1200 ~ 115200 bps	
Data format	(N, 8, 1)	
Protocol	Modbus RTU	
Power		
Input Range	+10 ~ 30 VDC	
Consumption	0.05 W	
Mechanical		
Dimensions (mm)	25 x 20.2 x 30 (W x L x H)	
Installation	Magnetic mount; Wall mount	
Cable Length	3 m	
Environment		
Operating Temperature	-25 ~ +75˚C	
Storage Temperature	-30 ~ +80˚C	
Humidity	0 ~ 95% RH, Non-condensing	



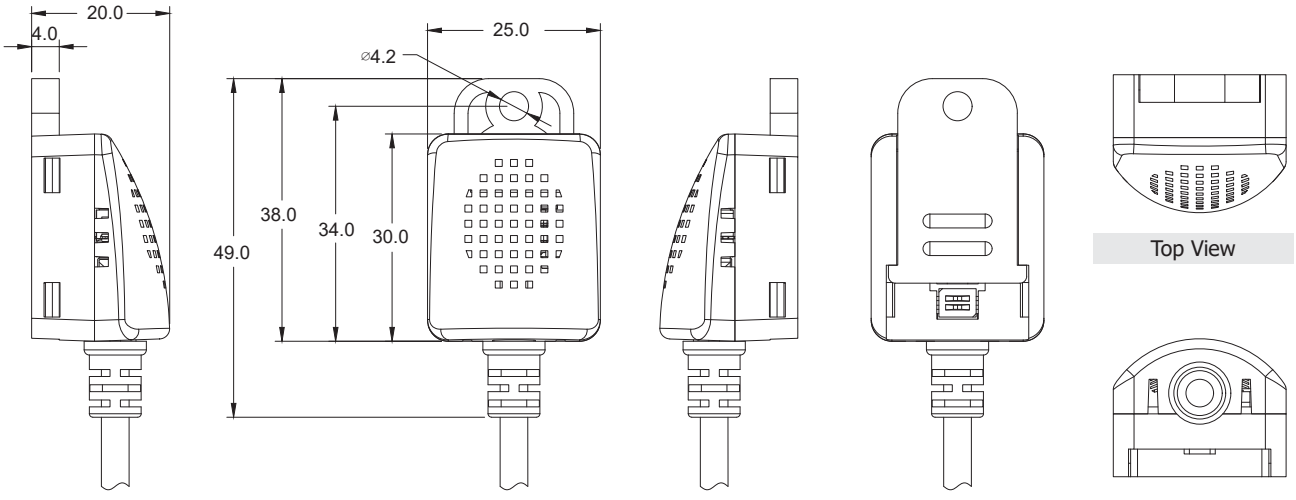
Maximum RH-tolerance at 25 °C per sensor.



Maximum T-tolerance per sensor.

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Dimensions (Units: mm)



Left Side View | Front View | Right Side View | Rear View | Top View | Bottom View

Ordering Information

DL-10 CR	Remote Temperature/Humidity/Dew Point Sensing Module, Using Modbus RTU Protocol, 3 M (White Cover) (RoHS)
DL-10-BK CR	Remote Temperature/Humidity/Dew Point Sensing Module Using Modbus RTU Protocol, 3 M (Black Cover) (RoHS)

Optional Accessories

tM-7561 CR 	Isolated USB to RS-485 Converter (RoHS)
tM-7520U CR 	Isolated RS-232 to RS-485 Converter (RoHS)

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