



DL-11-BK

DL-11

Remote Temperature/Humidity/Atmospheric Pressure/
Dew Point Sensing Module

Features

- Measurement Ranges: $-25 \sim +75^{\circ}\text{C}$ / $0 \sim 95\% \text{ RH}$ / $300 \sim 1200 \text{ hPa}$
- Accuracy: $\pm 0.4^{\circ}\text{C}$; $\pm 3.0\% \text{ RH}$; 1 hPa
- $10 \sim 30 \text{ VDC}$ Power Input
- RS-485 Communication interface
- Modbus RTU Protocol



Introduction

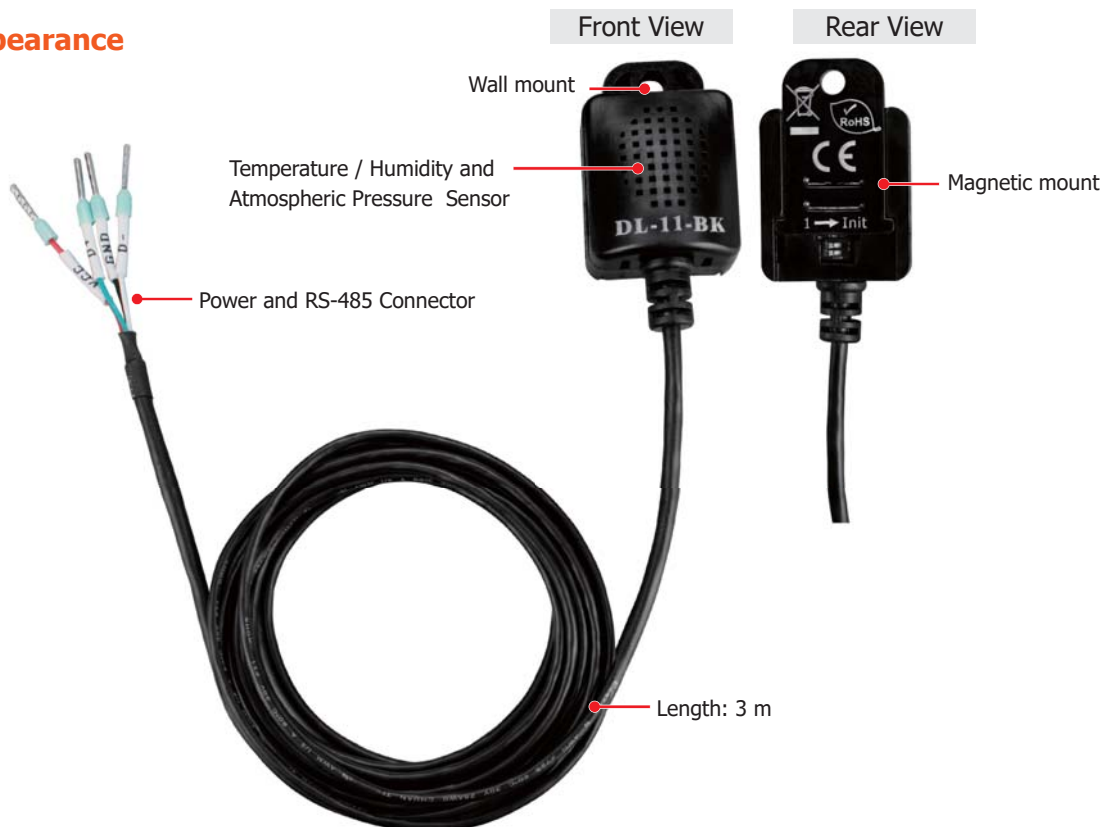
The DL-11 is able to provide real-time temperature, humidity, atmospheric pressure and dew point information by RS-485 with Modbus RTU protocol.

DCON Utility Pro provides easy and convenient interface for users to configure the module. Based on its amazing tiny size, the DL-11 achieves the goal of space-saving that allows it to be installed anywhere.

Applications

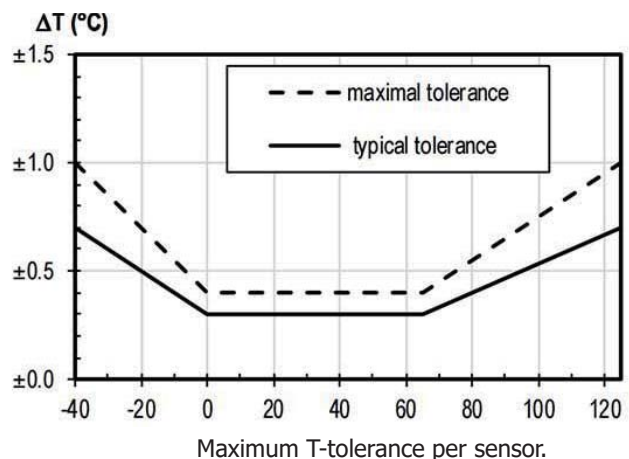
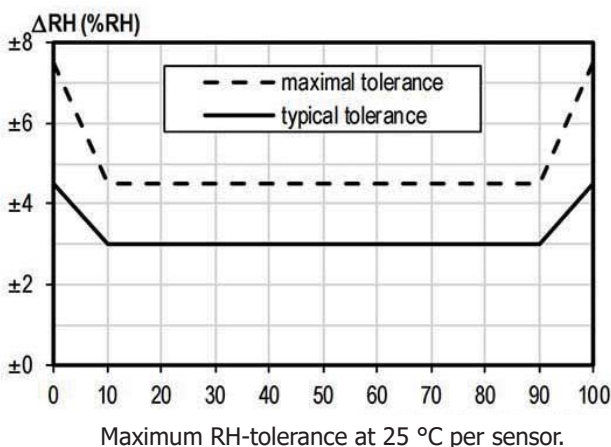
- Transportation of food or pharmaceuticals
- Food and beverage industry (HACCP)
- Blood stations, pharmacies
- Building and energy management
- Warehouses
- Museums, archives, galleries

Appearance

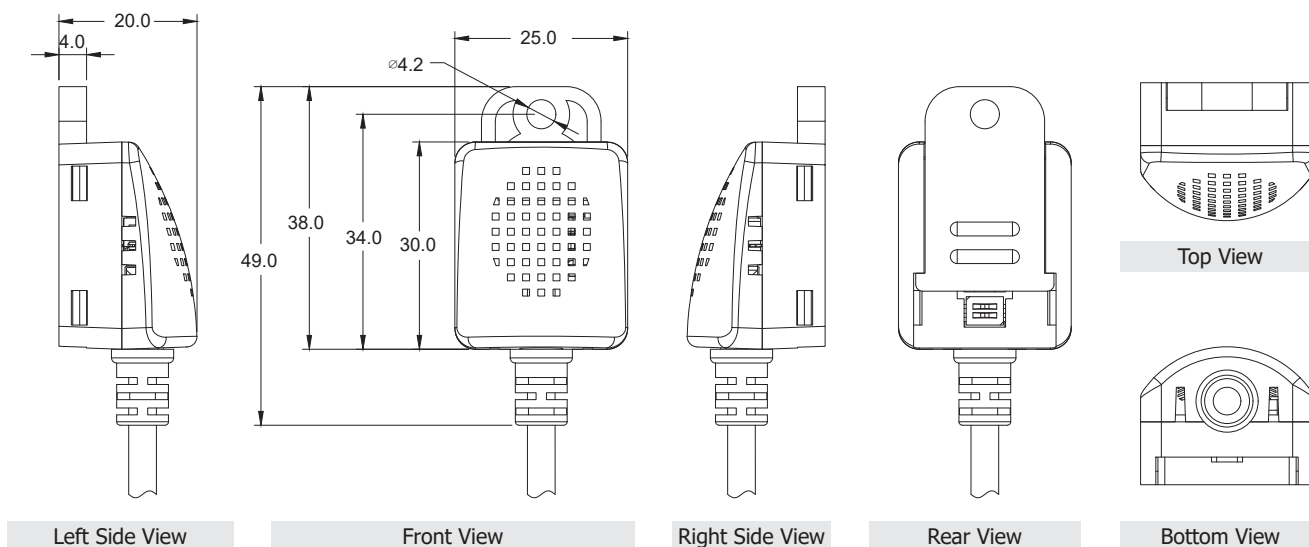


Specifications

Models	DL-11	DL-11-BK
Temperature Measurement		
Range	-25 ~ +75°C (-13 ~ +167°F)	
Resolution	0.1°C	
Accuracy	Typical: ±0.4°C	
Precision	±0.1°C	
Humidity Measurement		
Range	0 ~ 95% RH	
Resolution	0.1°C	
Accuracy	Typical: ±3% RH @ 20 ~ 80% RH	
Precision	±0.1% RH	
Dew Point		
Range	Calculated using temperature and relative humidity	
Resolution	0.1°C	
Atmospheric Pressure		
Range	300 ~ 1200 hPa	
Accuracy	1 hPa	
Resolution	0.1 hPa	
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)	
Cable Length	3 m	
Installation	Magnetic mount; Wall mount	
Environment		
Operating Temperature	-25 ~ +75°C	
Storage Temperature	-30 ~ +80°C	
Humidity	0 ~ 95% RH, Non-condensing	





■ Dimensions (Units: mm)



■ Ordering Information

DL-11 CR	Remote Temperature/Humidity/Atmospheric Pressure/Dew Point Sensing Module, Using Modbus RTU Protocol, 3 M (White Cover) (RoHS)
DL-11-BK CR	Remote Temperature/Humidity/Atmospheric Pressure/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)