

Wi-Fi communication, Temperature, Humidity and Dew Point Data Logger with LCD Display

DL-101S-WF



Wi-Fi communication, Illuminance, Temperature, Humidity and Dew Point Data Logger

DL-111S-WF

Features

- Wi-Fi communication monitoring and configuration
- Compatible with IEEE 802.11b/g/n standards
- Support Access Point(AP) & Station(STA) modes for wireless networks
- Support Modbus TCP
- Photomos relay output
- LCD Display Shows Temperature, Relative Humidity, Dew Point, Date and Time (DL-101S-WF Only)
- Illuminance measure (DL-111S-WF Only)
- Up to 650,000 data logger records
- Wide power supply range
- IP67 Protection Approval

Introduction

The DL-1xxS-WF Series Data Logger devices can be used to record temperature, humidity and dew point information, including the date and time stamps for each record, with up to 650,000 downloadable records(CSV) able to be stored. Real-time data can be accessed from anywhere and any time using the PC Utility, Android APP & Web. It includes 2-channel Photo MOS Relay Output using trigger source and range for Alarm Devices. DL-101S-WF include an LCD display, DL-111S-WF include an Illuminance sensor.

DL-1xxS-WF Series have WLAN connection complies with the IEEE802.11b/g/n standards, support Modbus TCP protocol, TCP & HTML, Which makes perfect integration for monitoring or control in SCADA software, HMI Modbus & Utility.

Applications

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

Specifications

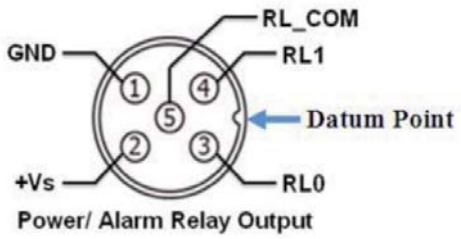
Module	DL-101S-WF	DL-111S-WF
CPU Module		
Real Time Clock	Yes	
Display		
LCD Information Displayed	Temperature (°C and °F), Humidity (RH), Relative Humidity, Date and Time	
LED Indicators		
Status	2 colors LED, Blue for System status, Red for Wi-Fi connect status.	
Temperature Measurement		
Range	-20 ~ +60°C (-4 to +140°F)	
Resolution	0.1°C	
Accuracy	±0.4°C	
Humidity Measurement		
Range	0 ~ 100% RH	
Resolution	0.1% RH	
Accuracy	±3% RH @ 20 to 80% RH	
Illuminance Measurement		
Range	-	0 to 100,000 Lux
Resolution	-	1 Lux
Accuracy	-	±5%

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Module	DL-101S-WF	DL-111S-WF
System		
Data Logger	Yes, 650,000 Records	
PhotoMOS Relay Output	Form A x 2, SPST 100 VDC @ 1 A Electrical	
Wi-Fi		
Standards	IEEE 802.11 b/g/n	
Protocol	TCP, Modbus TCP, HTTP	
Mode	Access Point (AP) & Station (STA)	
Encryption	WEP, WPA/ WPA2-PSK	
Data Rate	2.4 GHz	
Power		
Input Range	+9 ~ 48 VDC with Reverse Protection (+Vs to GND)	
Consumption	0.28 W (WiFi Connected Standby)	
Mechanical		
Dimensions (mm)	103 x 135 x 55 (W x L x H)	103 x 135 x 67 (W x L x H)
Installation	DIN-Rail; Wall mounted	
Ingress Protection Rating	IP67	
Environmental		
Operating Temperature	-20 ~ +60°C	
Storage Temperature	-30 ~ +80°C	
Humidity	5 ~ 95% RH, Non-condensing	

Pin Assignments

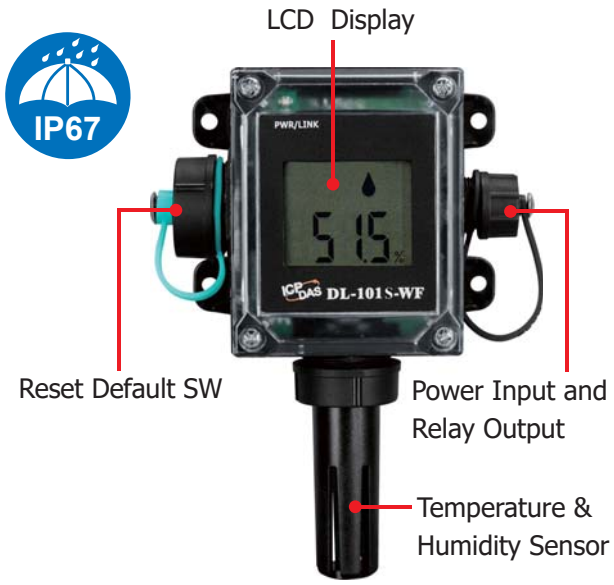
DL-101S-WF/DL-111S-WF

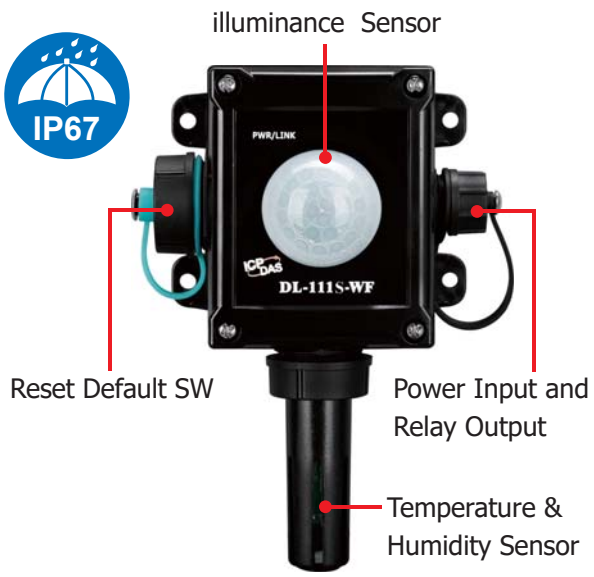






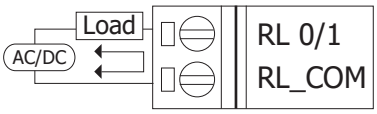
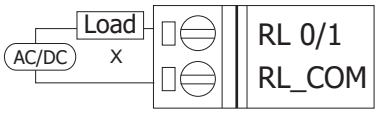
Appearance





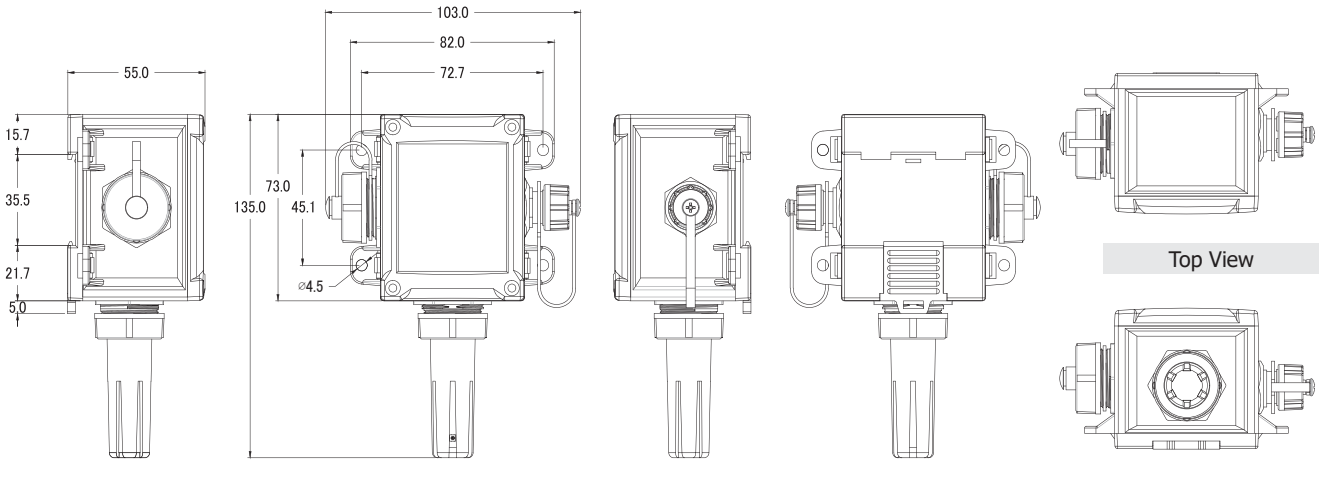
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Wire Connections

Digital Output Relay wiring		
Output Mode	**ON State**	**OFF State**
Form A Relay		

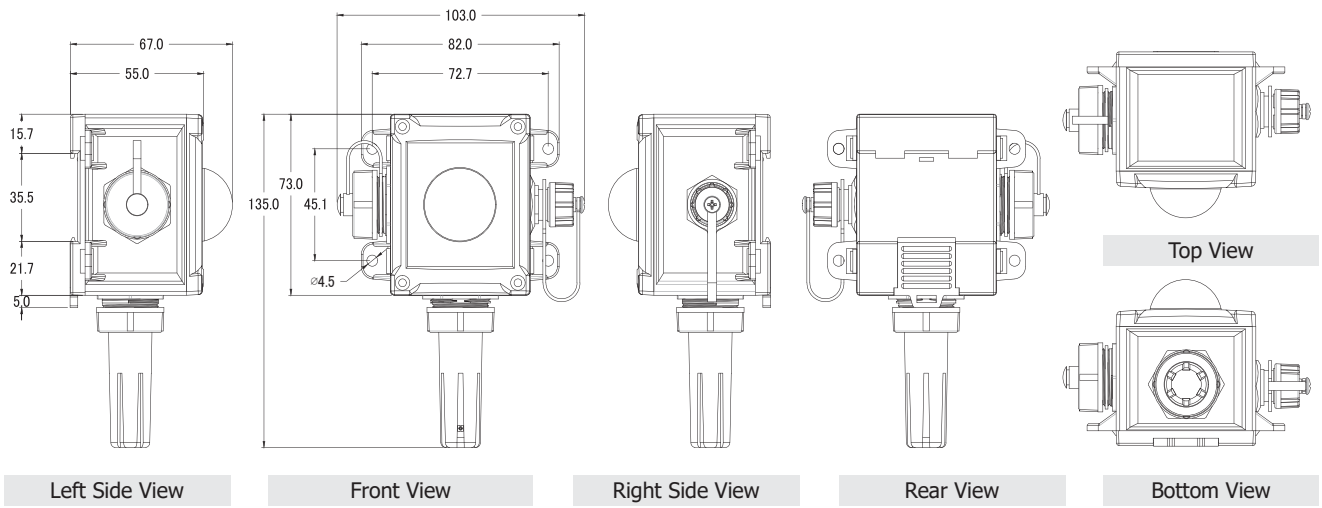
Dimensions (Units: mm)

DL-101S-WF



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

DL-111S-WF



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

Ordering Information

DL-101S-WF CR	Wi-Fi communication, Temperature, Humidity and Dew Point Data Logger with LCD Display (Black Cover) (RoHS) (Asia Only)
DL-111S-WF CR	Wi-Fi communication, Illuminance, Temperature, Humidity and Dew Point Data Logger (Black Cover) (RoHS) (Asia Only)

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