Fog (Visibility) Sensor

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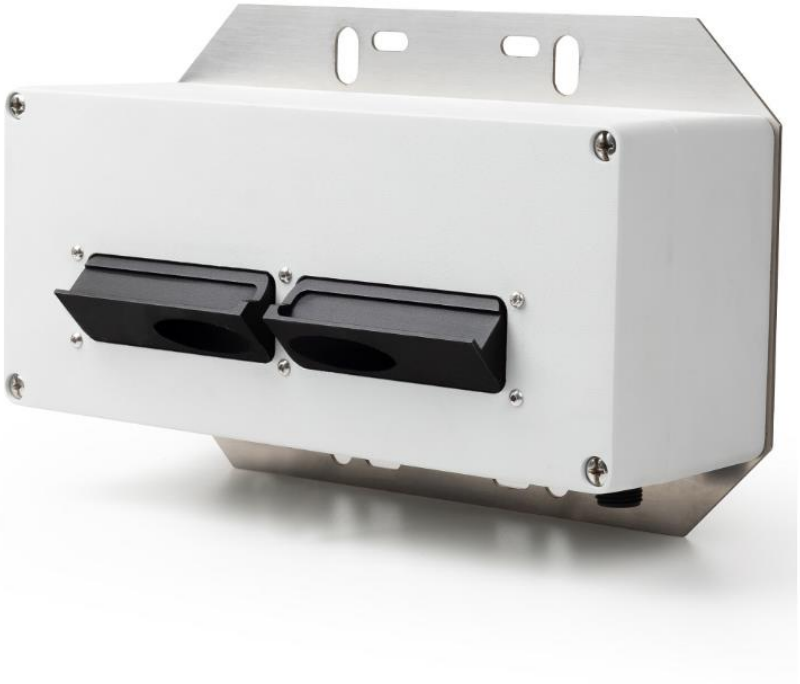

General Application Areas

Highways | Tunnels | Weather Observatio nStations | Sea Routes

General Information

A Fog Sensor is a device that detects changes in visibility and issues a warning or trigger when visibility falls below a certain threshold. A fog sensor basically consists of a light transmitter and a receiver. The light transmitter (emitting module) emits a group of infrared light with a center. IR and the receiver converges a certain volume of scattered light to the receiver. The module is a photoelectric sensor surface and processes the power of the light by converting it into electrical signals.

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Technical Specifications

Input Voltage	: 12-24 VDC, 220V AC (Optional)
Power Consumption	:6W
Range	: 10-3000 m
Accuracy	: ± 20 %
Working Method	: Continuous monitoring of ambient visibility
Contact	: RS485, RS232 (Optional), Modbus (Optional), ASCII (Optional)
Module Content	: Emitting Module, Receiving Module, Control Module
Product Dimension	: 300mm X 140mm X 115mm
Weight	: 1.4 kg
Warranty Period	: 2 years

Other Features

Body	: Aluminum Injection	**Color Options**	: Gray RAL 7016
Front Cover	: Polycarbonate	**Light Source**	: Infrared IR

Working Conditions

Temperature	: -45°/+60°C	**Moisture**	**:** %0-100
Pressure	: >650hPa		

Storage Conditions

Ambient Temperature	: 50-70°C	**Moisture**	**:** %0-%100

Cable Coding

Red	: V+ (12/24VDC)	**Black**	**:** V-(12/24VDC)
Yellow	: DA+ for RS485	**Green**	: DB- for RS485

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