SP-IDS
Intelligent Ice Detection System
Specifications

Why us?

Innovative Technology

High-efficiency solar and advanced LEDs deliver superior performance, long life, and maximum ROI.

Photometric

We conduct photometric measurements on all our products to ensure optimal performance and compliance with industry standards

Versatile Lightning

We designs and install solar-powered lightning systems tailored for all kind of locations such as streets, parks, pathways, homes, etc.

Global Reach

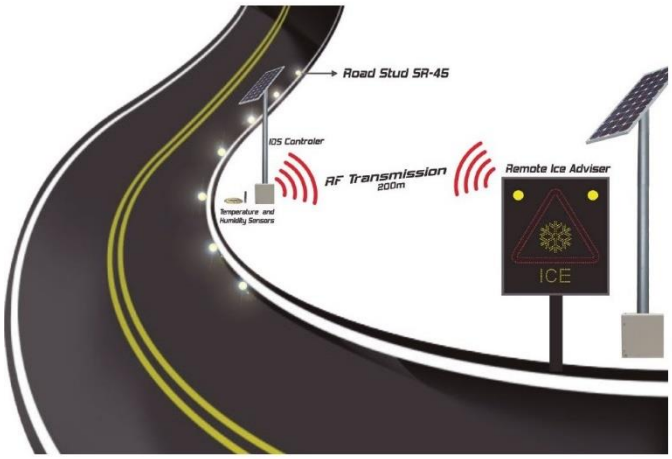
Worldwide success proves our adaptability and regulatory expertise.

Sustainable Savings

These solutions enhance safety, promote sustainability and providing significant energy and cost saving.

Warranty

SolarPath is dedicated to delivering architectural and commercial-grade solar lighting that can be customized to meet specific client requests, both in technical specifications and aesthetic design, ensuring a perfect fit for a diverse range of needs.



The SP-IDS is very powerful ice detection system with humidity sensor and an intelligent temperature reader. The system works with solar energy allowing the placement of this system in any critical point of road.

This product and with the presented functionalities it's a step forward on the detection of dangerous places due the ice formation.

Technical Specifications

Technical Features	
RF Transmitter, integrated humidly and temperature sensors	
Transmission Range	820 Feet
Frequency	433mhz
Data Rate	Up to 9.6 Kbps
Power Supply	12VDC/ Standard Module
Warning signal activates via receptor module (RIA)	
Ultra Bright LED	Green: No Ice Red: Ice Detected
Lower power consumption. Solar power ready	
Temperature Sensors	
RH Accuracy	± 3.5% RH, 0-100% RH non-condensing, 77°F, 5VDC supply
RH Interchangeability	± 5% RH, 0-60% RH ; ± 8% @ 60-100% RH Typical
RH Hysteresis	± 3% of RH Span Maximum
RH Response time	1/e: 15s in slowly moving air
RH Stability	+ 0.2% RH Typical at 50% RH in 1 year
Supply Voltage	4.0 VDC to 5.8 VDC
Supply Current	500 uA Max.
Operating Humidity Range	0 to 100% RH, non-condensing
Operating Temperature Range	-40° F to 185° F

Features

- Ideal for snow areas due to its snow plough resistance
- Robust construction, suitable for harsh conditions
- Up to 3280FT/1Km visibility distance due to high intensity LEDs
- High brightness during day and night
- Powered by solar energy
- Different color LEDs per window
- Vertical signs for greater visibility and drivers alert
- RF communication avoiding a physical connection between the sensor and the vertical signal

SOLAR STREET LIGHT

USES AND APPLICATIONS GUIDE	
Curves	

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