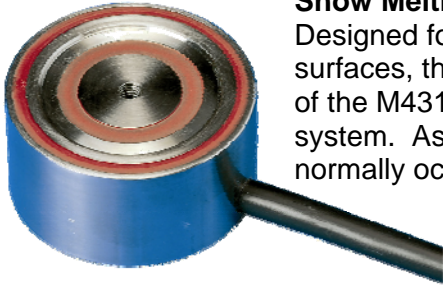


An all-in-one solution for ice and snow melting, the M431 Pavement Moisture/Temperature Sensor and Controller, and the M435 Roof, Gutter, and Pipe Moisture Sensor, Outdoor Temperature Sensor and Controller ensure effective and economical operation due to output control. The moisture sensor portion of both the M431 and M435 is designed to activate your Heatizon Systems snow melting, roof snow melting and deicing, or gutter melting product whenever moisture is detected and the outdoor temperature is below the selected setting. Once the sensor has dried out, your Heatizon Systems product is switched off.

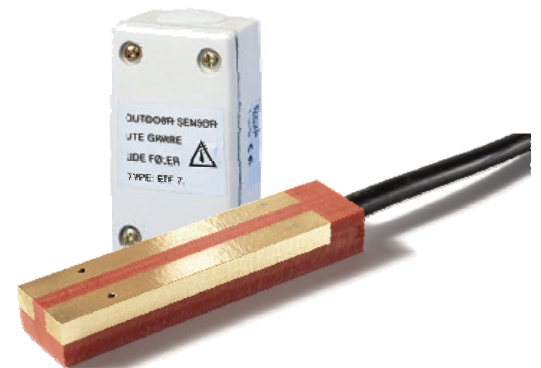
Snow Melting with M431 Pavement Moisture/Temperature Sensor and Controller.

Designed for embedding into the surface of outdoor concrete, asphalt or paver surfaces, this sensor detects both temperature and moisture. Placement location of the M431 is important because it is the “eyes and ears” of the snow melting system. As a result, it should be mounted where the worst snow and ice problems normally occur.



Gutter Deicing with M435 Roof, Gutter and Pipe Moisture Sensor, Outdoor Temperature Sensor and Controller.

Designed for mounting on a hard surface, laying in gutters or hanging in downspouts and pipes, the Roof, Gutter and Pipe Moisture Sensor detects moisture only. The Outdoor Temperature Sensor monitors ambient temperature and can be mounted on a piece of conduit or to a hard surface.



Controller. Monitoring readings sent from the Pavement Moisture/Temperature Sensor or the Gutter Moisture Sensor and Outdoor Temperature Sensor, the Controller ensures economical control of power consumptions while keeping outdoor areas and roofs free of ice and snow. The Controller energizes the system only when the outdoor temperature is below the selected settings and moisture is present.

Controller Technical Data

Supply Voltage	120/240V ± 10%, 50-60Hz
Temperature Range	0/+5°C +32/+41°F
Working range	-20/+5°C -4/+41°F
Built in timer for manual snow melting/afterrun	1 to 6 hours
Display	Graphic and with backlight
Weight	1 lb
Dimensions	6.75"H x 6.25"W x 1.75"D

Sensors Technical Data

	Pavement Temperature Moisture Sensor	Roof and Gutter Moisture Sensor	Outdoor Temperature Sensor
Detects	Moisture and Temperature	Moisture	Temperature
Mount	Outdoor Area	Gutter, down spout, pipe, or hard surface	Hard surface
Ambient Temperature	-20/+70°C -4/+158°F	-20/+70°C -4/+158°F	-20/+70°C -4/+158°F
Dimensions	1.25"H 2.25" DIA	4.00" H 1.25" W 0.5" D	3.25" H 1.75" W 1.25" D