

PYROULS *Upper Limit Temperature Sensor*

FEATURES & BENEFITS

- Isolated NTC temperature thermistor.
- 10KΩ @ 25° C.
- 30 feet cable.
- 24 VAC.
- Rated Voltage—300V.
- Semi rigid—makes feeding into conduit easier.
- Cable outer jacket color—Black.
- Simple user interface for parameters set from PYROCON12 controller.
- Technician testing / commissioning mode—Enables reading actual value.



DESCRIPTION

The PYROULS is an Upper Limit Temperature sensor, installed under the surface and measures the ground temperature. The temperature value sensed by the PYROULS is used by the PYROCON12 Snow Melting controller in it's algorithm for energy saving operation of the snow melting system.

The PYROULS is connected to the Snow Melting Controller (PYROCON12) with a 30 ft. (10 m.), 2 wire cable, coated in a semi rigid polymeric material. The Semi rigid flexible cable enables the technician and installer to push the sensor into a long conduit without getting bent.

The temperature value of the PYROULS can be observed by the technician (in the Technician mode parameters of the PYROCON12) and the location of the sensor can be adjusted, based on the real-time reading.

In case of damage in the PYROULS (due to external force such as digging or drilling in the ground, damaging the cable), a warning notice on the PYROCON12 LCD will indicate that the PYROULS is damaged and can be replaced.

| Part # | Item | UPC# 093319 | Description |
|---------|--------------------|----------------|----------------------------|
| PYROULS | Upper Limit Sensor | 42325 | Ambient Temperature Sensor |

PYROULS *Upper Limit Temperature Sensor*

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|---------------------|---|------------------------|-------------------------------------|
| Cable Length | 33 ft. (10m) two conductor cable | Resistance | 10KΩ @ 25° C |
| Installation | Underground inside a conduit | Operating temp. | -40° F to 68° F (-40° C to 20° C) |
| Material | Sensor—NTC thermistor Cable jacket—TPE | Storage temp. | -50° F to 220° F (-40° C to 105° C) |

WIRING DIAGRAM—connection to the PYRO-X system

