

Residential



Commercial



SNOW MELTING & FREEZE PROTECTION CONTROLS

PYROSELF
PYRO_X
FPC-02
PYROTRACE

Snow Melting Controllers

PYROSELF

Snow Melting Sensor Controller for Light Commercial and Residential use, the PYROSELF is the ultimate "All in One" Snow Melting Control system providing "Plug and Play" controls for snow, ice and frost melting applications.

Features

- Controls up to 2 zones activation (24A each 110-240VAC)
- User friendly programming and setting adjustment using remote control with large LCD display (RT-PYRO)
- Energy Efficient algorithm
- Optional sequencing between the 2 zones – Allowing larger snow melting area with less available power on site
- Optional indoor panel – IR receiver (IRP-PYRO)
- Manual and Automatic modes. Selected by physical switch or using the remote control
- Adjustable Set-points, Hold-On-Off Delay and Manual On
- Testing / commissioning mode for easy and fast system testing all year long (even during summer or at high temperatures condition)
- Unique "igloo" shape with "anti birds nesting" spikes
- UL Listed



PYRO_X

Premium Outdoor Snow and Ice sensor, Melting Control and power distribution "All in One" ready for installation. Typical applications include driveways, sidewalks, loading docks, stairs and gutters. Suitable for commercial and residential installations. Staggering outputs to the heated zones.

Features

- Autonomous, fully automatic snow/ice melting control
- Energy Management Algorithm (EMA) interface
- Accommodates MI, constant wattage, self-regulating (PTC) and Hydronic heating systems
- Staggering option - activating the heated zones in an adjustable time sequence
- Multiple sensor capability and 4 separate outputs working together or staggering allowing larger snow melting area with less available power on site
- Heater commissioning and testing capabilities
- Built-in GFEP with adjustable tripping values
- Simple to install and friendly to operate
- ETL Listed

Model	Number of Contactors	Phases per contactor	Total Amps	Max Voltage
PYROBOX3	4	2P	120	277
PYROBOX3C	3	2x3P + 1x2P	330	600
PYROBOX5	5	4x3P + 1x2P	600	600



Freeze Protection Controllers

FPC-02

Freeze protection controller with integrated GFEP and optional MODBUS interface for B.M.S. and Smart Home Systems.

Features

- 2 poles contactor for 30A heating load
- User friendly programming and setting adjustment using large LCD display and silicon buttons
- Integral 30mA GFEP
- Energy Efficient algorithm
- Manual and Automatic modes. Selected by button
- Adjustable Set-points, Hold-On-Off Delay and Manual On duration
- Testing / commissioning mode for easy and fast system test all year long (even during summer or at high temperatures condition)
- ETL Listed
- MODBUS interface for B.M.S. applications using RS485 communication module

Models	Operating voltage	Interface to B.M.S.
FPC-02-120	120	
FPC-02-120-MDB	120	+
FPC-02-240	240	
FPC-02-240-MDB	240	+



PYROTRACE

Heat tracing controller with up to 5 outputs for multiple zones with staggering options. The PYROBOX3/3C/5-TRACE power boxes together with the PYROCON12-TRACE controller and interface panel can operate up to 4 heating zones and one auxiliary zone, with selectable sequencing method. Typical applications include pipes, valves and gutters. The backlit LCD screen provides full interface and information to the system status. The use of several zones staggering allow covering longer pipes length with less available electrical power. Building management System / Smart Home interface with MODBUS integration - optional MDB models.

Features

- Both Automatic and Manual modes
- Adjustable heaters cycle and splitting times
- Energy saving temperature limits
- Adjustable heaters hold-on-off delay
- Commissioning/Test environment option
- Built-in GFEP with adjustable tripping values
- ETL Listed



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Snow Melting Controller

PYROCON12



The PYROCON12 is a smart and easy 24VAC operated controller for the PYRO Snow & Ice Melting system.

- Automatic controlling device for snow/ice melting and frost protection
- Energy Efficient algorithm • Up to 5 zones activation
- Large backlit LCD display with indication of the active zones
- Sequencing option between the zones – Allowing larger snow melting area with less available power @ site
- User friendly interface • Multiple snow sensors inputs – optional
- Adjustable Parameters: Set-points, Upper and Lower Limit Temperatures, Hold-On-Off Delay and Manual On, Splitting time between the zones
- Testing / commissioning mode for easy and fast system test all year long (even during summer or at high temperatures condition)
- UL Listed

PYROCON12-TRACE – Heat Trace controller (Available also with MODBUS interface)

Outdoor Aerial Snow Sensor

PYROSENSE



- Igloo shape aerial electronic snow sensor. Diameter 4"
- Pole mounted or wall mounted using the PYROSB metal bracket
- 24VAC operated
- High Sensitivity snow & temperature sensor
- 4 spikes keeping birds away
- 4 wires installation – 30 ft. cable supplied with the sensor

Isolated Temperature Sensor

PYROULS



- 10K Ω @ 25°C • 30 feet cable
- Semi rigid – enables to be pushed into conduit
- 24VAC • Rated Voltage – 300V
- Cable outer jacket color - Black

Rust Proof Wall Mounted Metal Bracket

PYROSB



- Adjustable length for optimizing the distance from the wall (up to 24")
- Pre Drilled holes for easy mounting
- Color - Silver
- Holes along the arm for tie-wraps to secure the PYROSELF/PYROSENSE cable/conduit

Indoor Wall Mounted User Interface and IR Receiver for PYROSELF

IRP-PYRO



IR receiver (works with RT_PYRO remote control) with integral button for operation override

- 24VAC operated
- LED indication showing the PYROSELF operating status
- Built-in buzzer
- 30' (10m.) extension cable available (P/N PYRO-XC10)

Staggering Controller for Snow Melting Circuits

PYROSTAG



- 24VAC operated controller
- Convert Snow sensor signal into 4 zones staggering sequence
- Can be used with any kind of snow sensor
- For use in existing and new projects where there is more power demand than actually exists
- Applications: snow melting, heat tracing, hydronic

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