

PYRO_X

A new innovative de-icing system

The ultimate controller for industrial, commercial and residential

Can use a high demand heating system on a limited power supply source

Modular: up to 5 circuits/contactors. Up to 600V, Up to 600A

Sequence of zoning 1/2/3/4/ + auxiliary (such as gutter sensor)

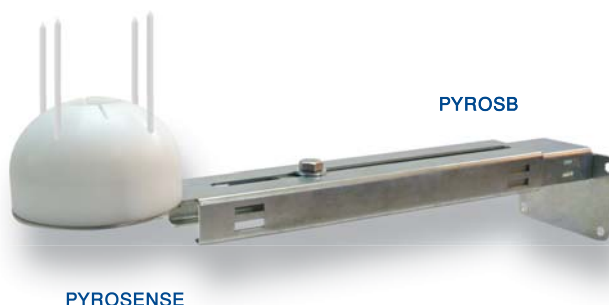
Suitable for parallel, star & triangle connection

North American consideration operating algorithm

 **and**  **Listed**

- ☑ User friendly programming and adjusting
- ☑ Adjustable cycle time
- ☑ Adjustable delay (Hold on Time)
- ☑ Adjustable on and off
- ☑ Logical setting for installer / set up & service
- ☑ Integrated option for Universal gutter de-icing sensor
- ☑ Integrated Fault Detector. GFCI non class A
- ☑ Adjustable trip setting
- ☑ Surface Upper limit adjustable Temperature Sensor
- ☑ Non obtrusive adjustable snow sensor
- ☑ Programmable & precise snow and ice sensor
- ☑ Suitable for electrical as well as hydronic de-icing installations

Item	Part #	Description
Snow sensor	PYROSENSE	Outdoor Snow Sensor
Upper Limit Sensor	PYROULS	Upper Limit Temperature Sensor
Main Controller	PYROCON12	Controller and User Interface panel
Power Box 5	PYROBOX5	Power box with 5 contactors (up tp 600V & 600 A)
Power Box 3	PYROBOX3	Power box with 4 contactors (up tp 277V & 120 A)
Power Box 3C	PYROBOX3C	Power box with 2 contactors (up tp 600v & 300 A)
Mounting Bracket	PYROSB	Wall mounting adjustable rust free holding bar



PYROCON12



PYRO_X

SPECIFICATIONS

General

Area of use	Nonhazardous locations HazLoc upon request
Approvals	UL and ETL listed

Enclosure

Protection	NEMA Type 1 for residential type other enclosures available upon request
Mounting	Surface mounted

Control

Supply	24V for controller
Load	Load switching provided by power Panel (POWERBOX)
Maximum Ratings	Voltage: 600 VAC. Current: 600 Amps (tested to 2400V)
Heater hold-on timer	0 to 99 hours; actuated by sensor or manual over ride switch
System test	Manual Switching for simulated conditions and testing and commissioning

Snow/Ice Sensors

Sensor type	Precipitation and temperature hybrid configuration.
Sensor capability:	Up to 4 addressable individual sensors, can be linked to 4 zones
Supplied Lead length	30' (10m) shielded cable of 22 & 18 AWG 4-wire jacketed cable

High Limit Temperature

Adjustable range	40°F to 90°F (4°C to 32°C)
Sensor type	Sealed Thermistor
Circuit type	Class 2

Schematic Diagram

