

PYRO_TRACE

A new innovative Heat Tracing Control 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 4 circuits/contactors. Up to 600V, Up to 600A

Sequence of zoning 1/2/3/4/ + auxiliary

Suitable for parallel, star & triangle connection

North American consideration operating algorithm



 **and**  **Listed**

Modbus / RTU connection to Building Automation (SMART HOME)

- ☑ Adjustable temperature sensor
- ☑ User friendly programming and adjusting
- ☑ Adjustable cycle time between zones
- ☑ Adjustable delay (Hold on Time)
- ☑ Adjustable on and off
- ☑ Logical setting for installer / set up & service
- ☑ Second input for temperature Switch
- ☑ Integrated Fault Detector. GFCI non class A
- ☑ Adjustable trip setting
- ☑ Non obtrusive adjustable snow sensor
- ☑ Suitable for electrical as well as hydronic anti freezing
- ☑ Applications
- ☑ Manual mode
- ☑ Modbus / RTU interface to B.M.S. over RS485 wires

Item	Part #	Description
Main Controller	PYROCON12 TRACE	Controller and User Interface panel
Upper Limit Sensor	PYROULS	Ambient Temperature Sensor
Power Box 5	PYROBOX5	Power box with 4 contactors (up to 600V & 600 A) 50A (3 phase)
Power Box 3	PYROBOX3	Power box with 4 contactors 30A (2 phase) up to 277VAC
Power Box 3C	PYROBOX3C	Power box with 2 contactors (up to 600v & 300 A) 50A (3 phase)



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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 (Pyrobox - Power distribution Cabinet)

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

Temperature Sensor

Adjustable range 40°F to 90°F (4°C to 32°C)
Sensor type Sealed Thermistor
Circuit type Class 2
Supplied length 30' (10m) semi-rigid cable

Schematic Diagram

