meitav-tec

PYROCON12 | Snow Melt Control

Features & Benefits

- The PYROCON12 offers a smart and easy control of the PYRO Snow & Ice Melting system
- Automatic controlling device tfor 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 input – optional
- Adjustable Setpoints
- Adjustable Upper and Lower Limit Temperature
- Adjustable Hold-On-OFF Delay and Manual On
- Adjustable splitting time between the zones with multi configurations between zones
- Technician testing / commissioning mode for easy and fast system test all year long (even during summer or at high temp)
- UL certification

PYROCON12 | Snow Melt Control

Description

The PYROCON12 is a stylish, user friendly and efficient controller for Ice and snow melting applications.

When receiving a signal from the snow sensor/s, it activates up to 5 electrical heating elements. Based on the DIP switches configuration, the 5 zones are activated either continuously or with customized sequencing between the zones.

The adjustable Hold-On timer keeps the outputs to the zones active to ensure complete snow melting.

The Hold-On (Time delay) is adjustable in the range of 0 up to 99 hours.

The outdoor temperature set-point as well as Slab Upper limit temperature and ambient lower limit temperature can be easily set by a push of a button. The Technician Settings mode allows installer or technician to adjust all the parameters for each installation.

Commissioning mode sets the system in operation condition and simulates low temperatures, allowing testing of the system also during summer time.

The parameters that can be modified are as follow:

- Temperature set point
- Lower ambient temperature limit to stop heaters
- Upper slab temperature limit to stop heaters
- Time delay (Hold-on) before stopping the heaters
- ON time for Manual mode
- Heaters cycle time / Splitting time between zones
- Number of zones and sequence of operation (Sensors and heaters control logic)
- Snow sensor RH sensitivity
- Number of snow sensors connected

DIP Switches located on the back of the PYROCON12 provides easy access to technician mode and to the system configuration settings.

The 5th output can be used as a stand-alone ice melting zone or be activated simultaneously with zone #4. The Zone #5 offers a simple option for gutter, roof ice-melting or other critical ereas. The PYROCON12 allows snow sensor input both from the PYROSENSE sensors and also from a 3rd party snow sensors. 3 terminals in the PYROCON12 are available to connect a CIT-1™, GIT-1™ or SIT-6E™ sensors and use them to control some or all of the zones.

The PYROCON12 fits into a 2x4 flush mounted wall box. Installing the thermostat is a quick and easy. Quick connector terminals are located on the back, for an easy hook up

Connect the PYROCON12 to one of the PYROBOX power distribution boxes with integrated Ground Fault Sensor, add a snow sensor (PYROSENSE) and the system will be ready.

For further information, operating & installation manual, please refer to our website at www.meitavtec.com

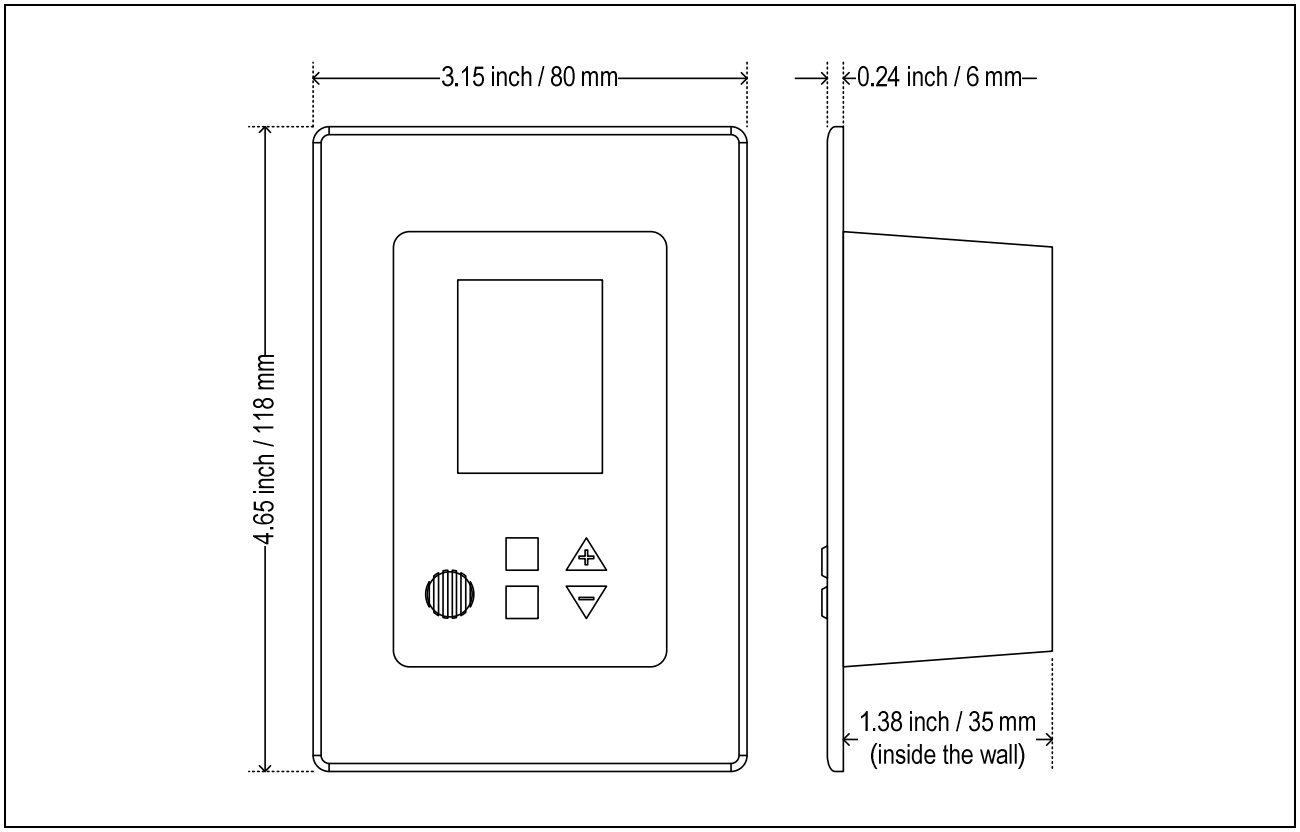
meitav-tec

PYROCON12 | Snow Melt Control

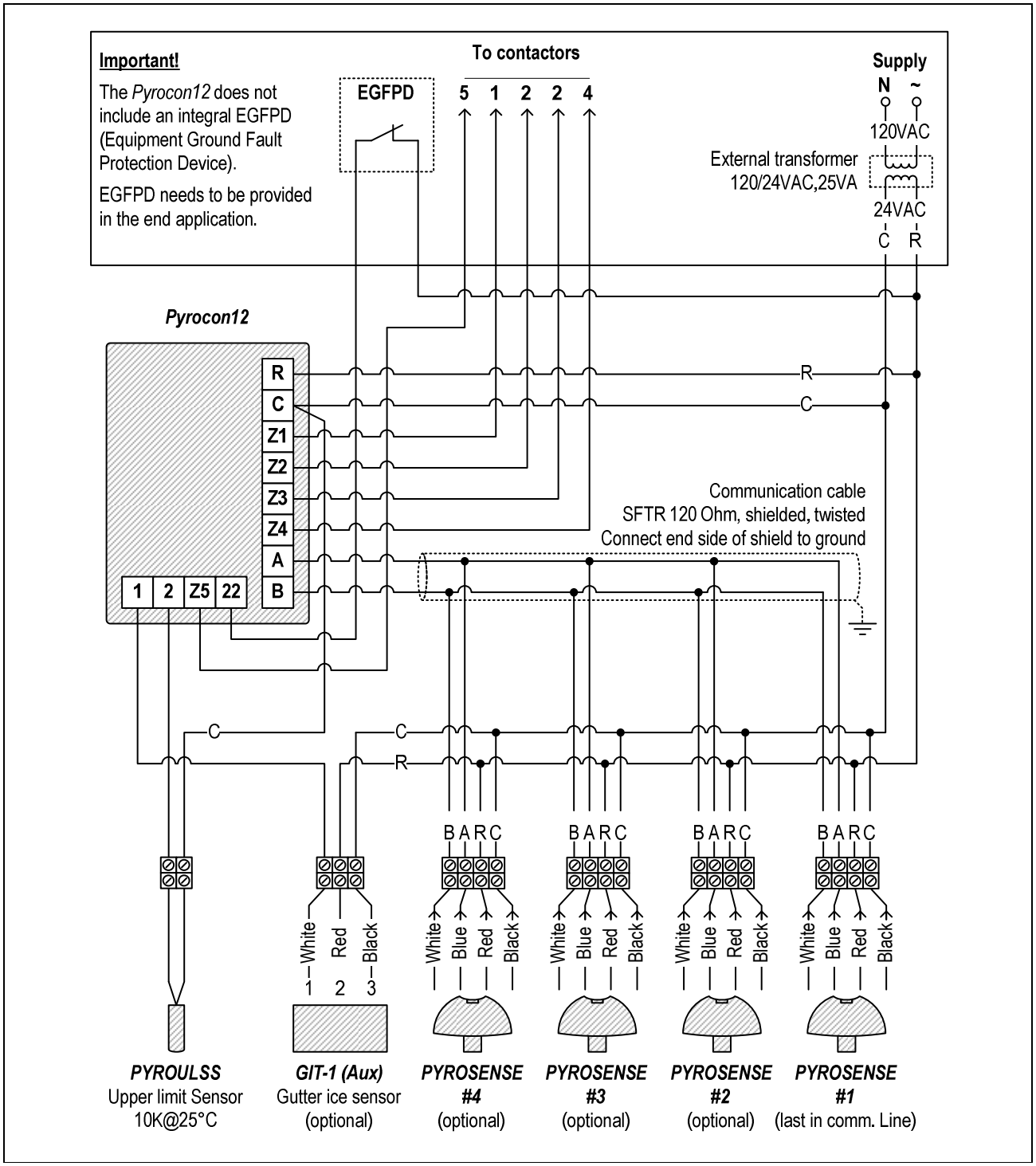
Technical specifications

Approvals	UL 873 XAPX2.E362312	**Supply**	24VAC±20%,50-60Hz,3W
		Outputs	5 outputs 24VAC, 1A (max) each
Enclosure Protection	IP20, Indoor Mounting		
Material	ABS/PC	**Inputs**	#1 Snow sensor CIT–1 series #2 up to four *PYROSENSE* Snow sensors (by meitav-tec) #3 *PYROULSS* Upper Limit Sensor NTC 10K (by meitav-tec)
Mounting	Flush mount Fitts into standard electrical box (Carlon – B114R or similar)		
Terminal blocks	1.5 mm^2 ,14 AWG (max)	**Operating temp.**	–10℉ to 122℉ (-10° C to 50℃)
Communication	RS485 MODBUS to sensor	**Storage temp.**	–40℉ to 176℉ (–40℃ to 80℃)

Dimensions



Wiring diagram



The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Meitav-tec office or representative. Meitav-tec shall not be liable for damages resulting from misapplication or misuse of its products.
This document is subject to change without any notice.