SnowFree™ System

Snow Melt System with Remote Control

FEATURES & BENEFITS

- Snow sensor & controller for light commercial and residential use.
- Sequencing option between the zones—allowing larger snow melting area with less available power on site.
- Up to 2 zones activation (24A each 120-240 VAC).
- Energy efficient algorithm.
- User friendly programming and setting adjustment using large LCD display remote control.
- Up to 2 zones activation (24A each 120-240 VAC).
- Optional indoor manual control interface—SFMC receiver.
- Manual and automatic modes. Selected by physical switch or using the remote control.
- Adjustable set points.
- 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.

System Kit Includes: SFC2, SFIR and PYROSB

SFC2 SnowFree Controller with Sensor

SFIR SnowFree IR remote

PYROSB Mounting Bracket

Optional: SFMC Snow Free indoor Manual Control Interface

Part #	Item	UPC# 093319	Description
SFC2-KIT	SnowFree system	42403	**SFC2** SnowFree Controller with sensor, **SFIR** SnowFree IR remote, **PYROSB** Mounting bracket.
SFMC (Optional)	Indoor Manual controller	42406	Wall mounted IR receiver with indication LED's and push button with soft on control cable.

SnowFree™ Controller

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DESCRIPTION

The SFC2 SnowFree System is the ultimate “All in One” Snow Sensor & Controller for light commercial and residential use. A “Plug and Play” controlled for frost protection, ice and snow melt applications.

When receiving a signal from the built-in snow sensor, it activates the contactors energizing the heating elements. Based on the configuration and settings, the two outputs to the two zones are activated together or in staggering mode.

The outdoor temperature set-point as well as the ambient lower limit temperature can be easily set by the remote control.

The Technician Settings mode allows the installer or technician to adjust the parameters for customized installations using the remote control.

The adjustable Hold-On (Time delay) is adjustable in the range of 0 up to 48 hours.

Installing the system is a quick and easy task. Apart of mounting the metal box to the wall, the installer needs only to connect the line in and line out wires in the marked terminals and the system is ready to work.

The parameters that can be modified are as follow:

- Temperature set point.
- Lower ambient temperature limit.
- Time delay (Hold-on) before deactivating the heaters in Automatic mode.
- ON time for Manual mode.
- Heaters cycle time / Splitting time between the 2 zones.
- Number of zones and sequence of operation.
- Snow sensor RH sensitivity.
- Snow sensor threshold.
- Commissioning mode for technicians.`

Technician Specifications:

Approvals	UL listed CAN/CSA-C22.2 No. 14 UL-508A	Two Contactors	120-240 VAC, 24 A Max for heating elements.
Enclosure Protection	NEMA type 4	Mounting	Wall mounted using the PYROSB or aerial on a pole using 3/4” thread.

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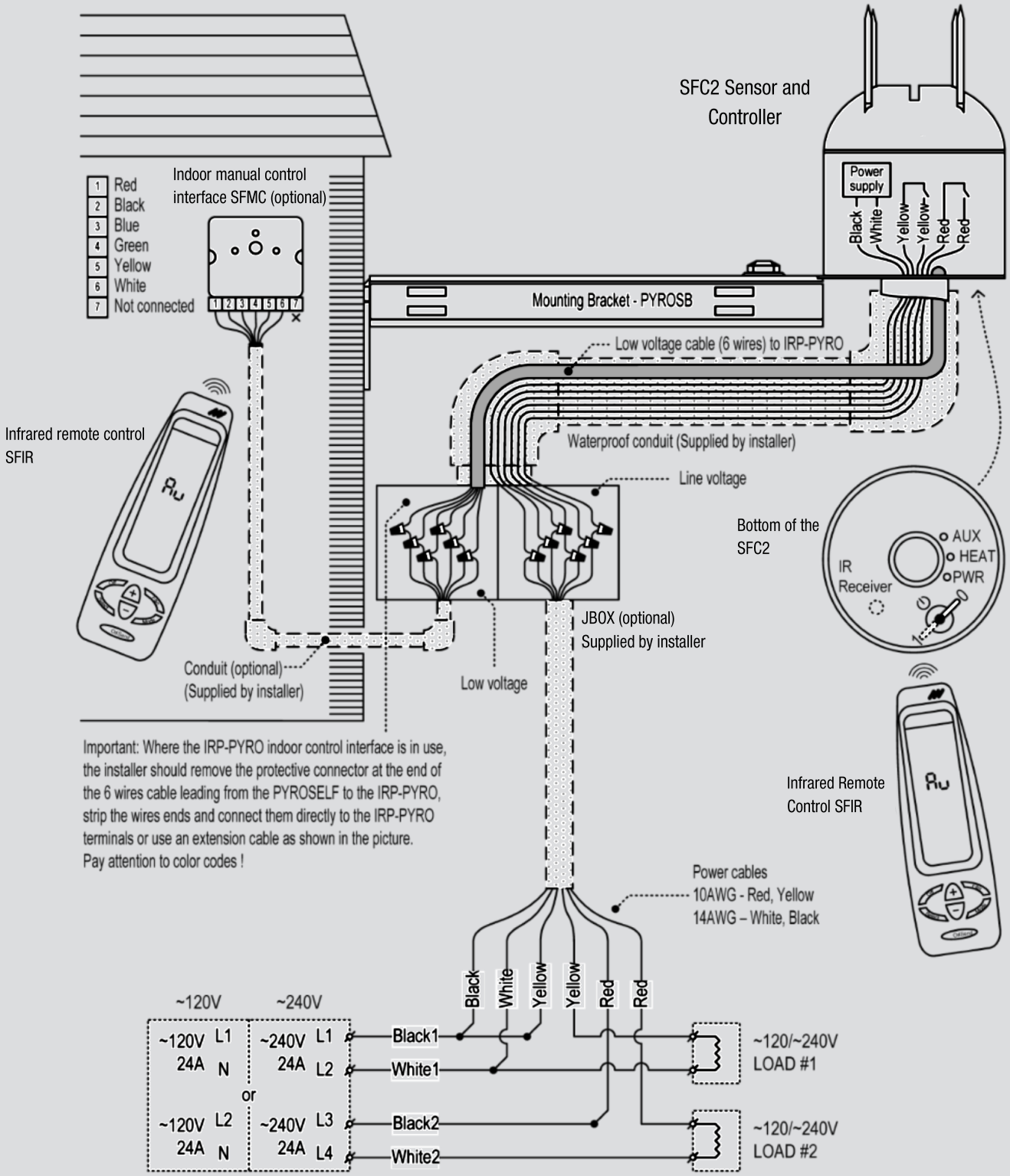
GENERAL SYSTEM LAYOUT