

DESCRIPTION

The outdoor temperature set-point as well as ground Upper limit temperature and ambient lower limit temperature can be easily set.

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

The RESIBOX-120 is a "Plug and Play" controlled power distribution panel for frost protection, ice and snow melting applications.

When receiving a signal from the snow sensor/s, it activates the contactors energizing the heating elements.

Based on the DIP switches configuration, the zones are activated either continuously or in 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 up to 99 hours.

The RESIBOX-120 Built-in Ground Fault interrupter allows settings for the tripping current between 0.1 – 1.0 A.

The GFS adjustable time delay provides a simple and safe protection from nuisance tripping.



FEATURES AND BENEFITS

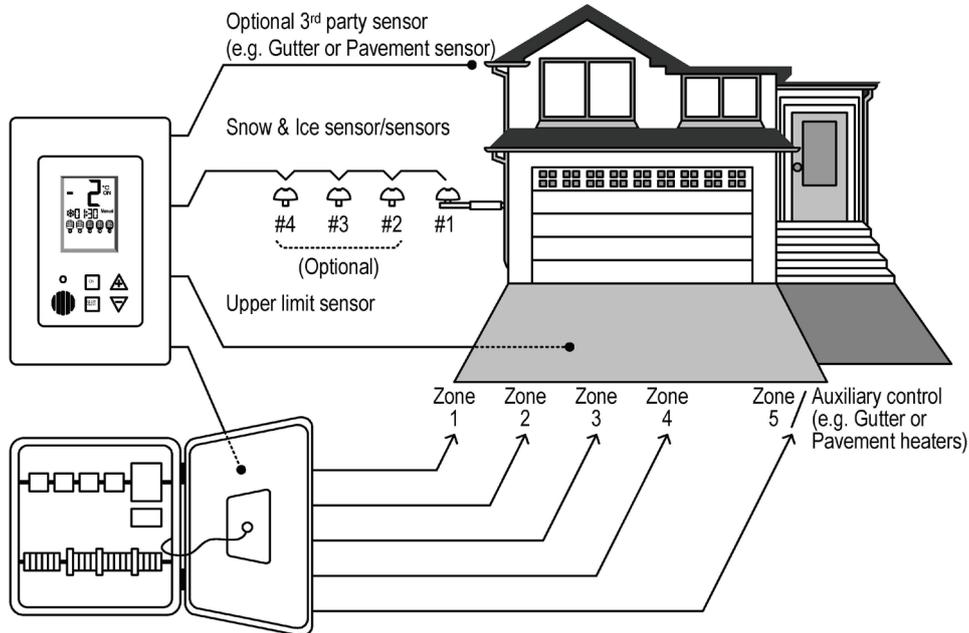
- Automatic Power/Load Distribution
- Up to 4 zones, 120A
- GFEP Protection Built-in
- Sequencing allows sharing of minimum required power supply
- Multiple Snow Sensor inputs
- User-friendly interface
- Integrated Electronic Controller with backlit display
- Energy Efficient Algorithm
- ETL approved with UL approved components.

THE PARAMETERS THAT CAN BE MODIFIED ARE AS FOLLOW:

- Temperature set point
- Lower ambient temperature limit
- Slab Upper Temperature Limit to deactivate heaters for Energy Efficiency
- Time delay (Hold-on) before deactivating 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

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- DIP Switches located on the controllers provide easy access to technician mode and to the system configuration settings.
 - The RESIBOX-120 allows snow sensor input both from the sensors and also from a 3rd party snow sensors.
 - 3 terminals in the RESIBOX-120 are available to connect a CIT-1™, GIT-1™ or SIT-6E™ sensors and use them to control some or all of the zones.
 - 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.

GENERAL SYSTEM LAYOUT



TECHNICAL SPECIFICATIONS

Approvals	ETL Listed CAN/CSA-C22.2 No. 14 UL-508A	Manual Reset GFS	Push button on Front Panel
Enclosure Protection	IP20, Indoor Mounting	Four Satellite	240 VACS, 30 A Max
Dimensions	11.8x15x6.1 inch (30x38x15.5 cm)	Contactors	(Resistive), 50/60 Hz, 2-Poles
Ground Fault	Adjustable tripping current 0.01-0.1	Terminal blocks	6 mm ² ,10 AWG (max)
Equipment Protection	A (default 0.03A)		
GFS	Adjustable time delay 0.1-1 sec. (default 0.1 sec.)		

RELATED PRODUCTS

- COMMBOX-600 - see WSC-0927
- CIT1 - see WSC-1104
- GIT1 - see WSC-1204
- SIT6E - see WSC-1304
- APS3C - see WSC-1404
- AIRsense - see WSC-0205