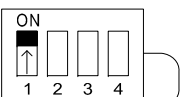
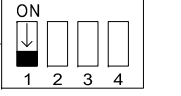


Enter technician settings		Move DIP switch S1 located on the side of thermostat to ON position.
P01 Temperature set point	Adjust 19...45°F -7...+7°C Def: 3°C/37°F	Adjust the temperature set point. Above this temperature the outputs to the heaters will not be activated.
P02 Low limit temperature	Adjust -4...+23°F -20...+5°C Def: -20°C/-4°F	Adjust and enable/disable the low limit temperature. When temperature on snow sensor drops below the low temperature limit, the heating system will stop.
P03 Upper limit temperature	Adjust +41...+125°F +5...+52°C Def: 52°C/125°F	Adjust and enable/disable the upper limit temperature, and display temperature on heaters sensor. Note: If the upper limit control is disabled, the heaters will work regardless of the upper limit.
P04 Time delay	Adjust hours 00...99 Def: 00	Adjust the time delay before stopping the heaters. Note 1. The time delay countdown will start when the snow detection signal from snow sensor will switch from positive to negative. Note 2. The staggering sequence will continue during the time delay period.
P05 Manual ON	Adjust hours 00...99 Def: 6	Adjust the "Manual ON" mode time period. The delay time parameter defines a time frame in which the heaters remain ON after receiving a "Manual ON" command.
P06 Splitting time	Adjust minutes 10...1999 Def: 24	Adjust the splitting time. The heaters cycle / splitting time parameter defines the full cycle working time of all the heaters when working in sequence.
P07 Logic of sensors And outputs	Select 0...3 Def: 0	Define heaters control by "0" - 1-5 by PYROSENSE. 4 & 5 operate together. "1" - 1-4 by PYROSENSE. 5 by 3 rd party. "2" - 1-5 by 3 rd party. Temperature display blank. "3" - snow on any of the sensors will trigger all zones.
P08 Snow sensor sensitivity	Adjust 20...80% Def: 50%	Adjust the snow sensor sensitivity value (20% - Less sensitive, 80% - more sensitive)
P88 Snow sensor threshold	Adjust minutes 00...60 Def: 1	Adjust the threshold. If the threshold is not reached, the logic of turning the heaters either ON or OFF will not be affected by snow detection. During countdown to threshold time, the snow flake icon will flash.
P09 Number of snow sensors	Select 1,2,3 or 4 Def: 1	Select the number of PYROSENSE snow sensors connected.
P10 Test mode (commissioning)	Enable/Disable	Turn ON test conditions to check the functionality of the system regardless of sensors parameters. Use some water to wet the circuit on top of the snow sensor. Note: If the technician did not manually exit test/commissioning mode, the unit will automatically return to normal mode after 5 hours.
Save changes and Exit technician settings		Move DIP switch S1 located on the side of thermostat to OFF position. Important: Changes made to technician parameters will not take effect as long as DIP switch S1 is in ON position.

Restore default values

Important: Make sure the unit is turned **OFF** (the word "OFF" should appear on display).

Move DIP switch S1 to ON position.

Press and hold the [ON] button for 10 seconds.

Move DIP switch S1 back to OFF position.

DIP switch S2 - Short measuring times (test only)

- "ON" - Short measuring times – for test/commissioning only (measuring times will be divided to 60).

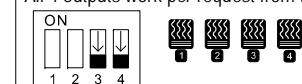
- "OFF" - Normal operation.

Short measuring times: A real 1 hour will take 1 minute and a real 1 minute will take 1 second.

DIP switches S3 and S4 – heaters sequencing logic

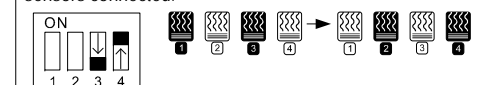
Use DIP switches S3 and S4 to define the sequencing logic of the heater (zones) as follows:

All 4 outputs work per request from the snow sensor(s)



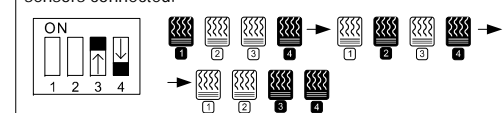
Outputs 1+3 and outputs 2+4 work together (by splitting time)

Note: Do not use this configuration with more than two snow sensors connected.



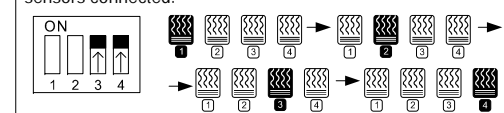
Outputs 1,2 and 3 work in sequence (by splitting time) and output 4 works continuously.

Note: Do not use this configuration with more than two snow sensors connected.



All 4 outputs work in sequence (by splitting time)

Note: Do not use this configuration with more than two snow sensors connected.



Note: if output 5 is set to work together with outputs 1-4, (see "Heater output no. 5 logic" in the technician settings), it will operate the same as output 4.

Enable/Disable zones

Turn Unit OFF.

While OFF, press both the [+] and [-] buttons for 10 sec.

Press the [Select] button to select zone.

Press the [+] and [-] buttons enable/disable the selected zone.

Black - Enabled zone. White - Disable zone.

Press both the [+] and [-] buttons for 5 seconds to exit.



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