

The CLI-SLAB1 is an extremely accurate temperature sensor designed to integrate into the Savant Centralized Climate Control system to control the temperature in most floor heating applications. The sensor is potted within a rugged waterproof stainless steel sleeve and wired to one of the Remote Sensor connections on the CLI-8000/8000A Thermostat Processing Unit. Each zone supports communicating with up to two CLI-SLAB1 sensors and a maximum of sixteen per system.

The CLI-SLAB1 adds to the family of accurate Remote Sensors that integrate into the CLI-8000/8000A Thermostat Processing

Box Contents

- (1) CLI-SLAB1
- (2) Dolphin Splice Connector (028-0581-xx)
- (1) Quick Reference Guide (this document)

Related Components

Savant® CLI-8000/CLI-8000A Eight Zone Centralized Thermostat Processing Unit
Savant® CLI-PLEN1C - Commercial Plenum Sensor (Heat duct sensor)
Savant® CLI-PLEN1R - Residential Plenum Sensor (Heat duct sensor)
Savant® CLI-THFM1 - Remote Humidity/Temperature Smart Sensor
Savant® SST-TEMP1 - Remote Indoor Temperature Sensor
Savant® SST-OTEMP1 - Remote Outdoor Temperature Sensor

CLI-SLAB1 Floor heating sensor

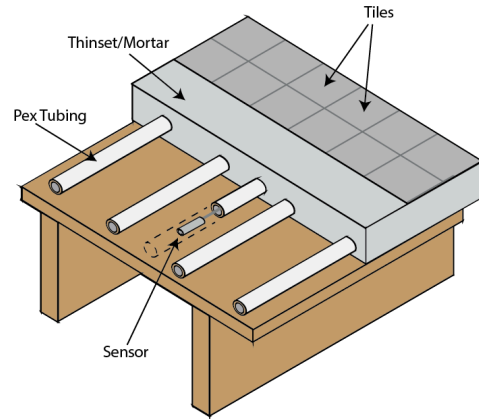


Specifications

Environmental	
Temperature	32°F to 158°F (0° to 70°C)
Cable Requirements	
CAT-5 (24 AWG)	24 AWG 500 feet (152.4 m) maximum
Sensor Property & Features	
Temperature Range (Thermistor)	-94°F to 302°F (-70°C to 150°C)
Temperature Accuracy (Thermistor)	+/- 0.36°F (.2°C)
Probe Size (l x w)	.6 in (1.52 cm) x .196 in (.5 cm)
Probe Wire Length	4.4 in (11.2 cm)
Probe Material	Stainless Steel
Probe Wire Properties	UL2468 26 AWG
Compliance	
RoHS	Compliant

Copyright © 2014 Savant Systems, LLC. SAVANT and RacePoint Blueprint are trademarks of Savant Systems, LLC. All brand names, product names and trademarks are the property of their respective owners. Savant Systems, LLC reserves the right to change product specifications without notice.

Installation of CLI-SLAB1 into floor



The SLAB sensor is embedded into the bed of mortar or concrete and centered between two rows of pex tubing. It is recommended that the sensor be installed into a length of pex tubing or metal conduit to protect it during installation and if the sensor ever needs to be replaced, it can be removed and installed easily. The above illustration is just one method used to install the slab sensor. Depending on the type of floor and system being used, installation procedures can vary.

Wiring Sensors to Existing Wiring

The CLI-SLAB1 sensor comes with a 4" pigtail cable. This pigtail should be spliced into an existing Cat 5 or twisted pair equivalent using the Dolphin Splice Connectors supplied in the install kit.

Important Notice: It is recommended that the Dolphin Ratcheting Crimp Tool DR-4141 or DC-500F be used to terminate the connections.

Connect Sensor to CLI-8000/8000A

The CLI-SLAB1 temperature sensor is connected to the REMOTE SENSORS connection on the front panel of the TPU. Each zone can communicate with up to two sensors for a total of sixteen sensors per system. Follow instruction below on connecting to the front panel.

1. Remove the four position screw terminal from the REMOTE SENSORS connection of any zone on the TPU. The CLI-SLAB1 sensor is supported on both port 1 and port 2.
2. Loosen the screws located on the top of the connector till the silver crimp in the front opens enough to slide the wire from the remote sensor cabling into the connector.
3. Insert the wires from the Remote Sensor cabling into the terminal block. No polarity is observed here.
4. Turn the screws clockwise till the silver crimp clamps around the wire. Tug on the wire a bit to verify the wires are installed securely.
5. Plug the terminal block back into its remote sensor mate in the TPU.
6. Configure the TPU to enable communications between the sensor and TPU.
 - **Note:** Refer to the Centralized Climate Control Deployment Guide on the Savant Portal for configuration information.

CLI-8000 = 009-1073-XX
CLI-8000A = 009-1154-XX

Additional Information

For additional information related to Climate Control, refer to the Savant Portal located at dealers.savantsystems.com.

Knowledge Base > Savant Hardware > Climate Control