

Schluter®
Systems

Installation Manual

Schluter®-DITRA-HEAT-E-RS1 Smart Thermostat



This installation manual is subject to change without notice.
Please visit schluter.com for the latest version.

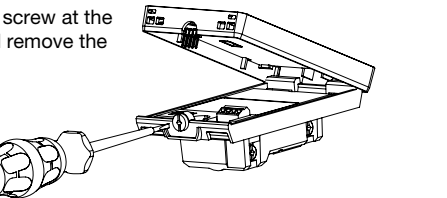
⚠️ WARNINGS ⚠️

The installation of this thermostat must be performed by qualified personnel and comply with the national and local electrical codes and regulations.

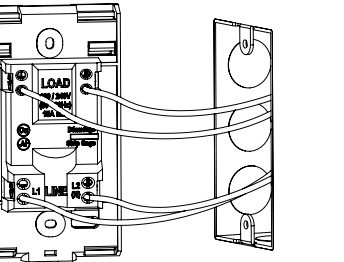
To avoid electric shock, disconnect the heating system power supply at the main electrical panel before installation and maintenance of the thermostat.

THERMOSTAT INSTALLATION

1. Loosen the screw at the bottom and remove the faceplate.

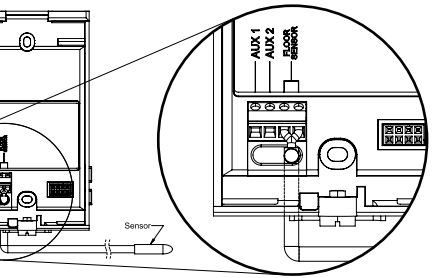


2. Connect the heating cable to the load terminals and the power supply wires to the line terminals located on the back of the thermostat. Connect the heating cable ground wire to the grounding screw in the electrical junction box. **NOTE: Ensure that the power supplied matches the voltage of the cable kit.**

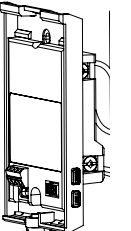


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3. Connect the temperature sensor as shown. Use the floor temperature sensor supplied with the DITRA-HEAT-E-HK heating cable(s). Any other type of sensor used needs to be 300 volt rated and meet the other requirements of the electrical codes in your region.

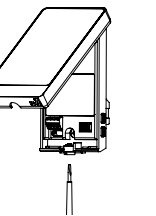


4. Use the screws provided to secure the thermostat to the electrical junction box.

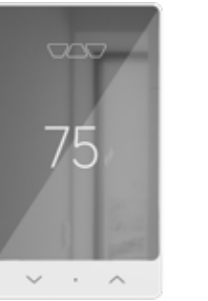


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5. Replace the cover and tighten the screw at the bottom.



6. Power up the thermostat. After performing a test sequence, the thermostat should display the floor temperature. If not, refer to the troubleshooting guide in this manual.

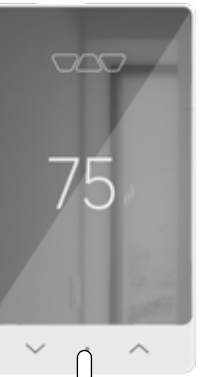


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APPLICATION SETTINGS

(Can also be done with the app)

1. Press the dot soft button and hold for 1 second to access the menu. Press the appropriate arrow to move up and down into the choices and press the dot soft button to make a selection and move to the next parameter, until reaching the end.



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2. Settings Which Can Be Modified with the Device

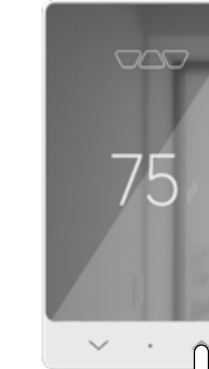
Setting No.	Name	Parameter and possible settings	Further Explanation
1	Language	English or Français (default: English)	
2	Temperature	Temperature unit: °F or °C (default: °F)	
3	Control	Control Mode: Floor, Ambient or Regulator (default: Floor)	The thermostat offers 3 temperature regulation modes: Floor mode: Regulates floor temperature by means of an external floor temperature sensor. Ambient mode: Regulates ambient temperature by means of an internal temperature sensor. Regulator mode : This mode is strictly intended for use with ceramic or natural stone tile floor coverings and should only be activated when the floor temperature sensor is damaged. For all other floor covering types, please contact the Technical Services Representative Team before using this mode to ensure safe and proper operation.
4	Max Floor Temperature	Max. floor temperature limit when in Floor control mode or in Ambient control mode: 41°F to 97°F (OFF option, available only in ambient control mode)*	This function limits the floor temperature when in floor control mode or in ambient control mode. This is ideal for preventing uncomfortable temperatures, or for preserving floor coverings other than ceramic or stone tiles. The recommended max. set point temperature for alternative floor coverings (e.g. LVT flooring, laminate flooring, etc.) is 82°F or 28°C. When reaching 82°F (28°C), "Laminate flooring" will be displayed.
5	Aux Output	Auxiliary output: OFF, Power module, Fast, Long (default: OFF)	An auxiliary output provides one of three functions for an additional heating source: Power module : For connecting one or more Schluter®-DITRA-HEAT-E-RRS power modules Fast and Long : For adding second stage heating when in ambient control mode (Please consult our White Paper on this subject in the "Download" section of this thermostat on our website.)
5	Floor Sensor	Floor temperature sensor: 10K or 12K (default: 10K)	

* In floor control mode, the set point limit is 97°F (36°C).

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MANUAL TEMPERATURE ADJUSTMENTS

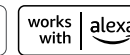
To adjust the temperature, press the up  or down  arrow to change the set point temperature.



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CONNECT THE THERMOSTAT TO THE SCHLUTER® SMART THERMOSTAT APP

1. If you do not yet have an account, download the Schluter® Smart Thermostat app for iOS or Android™ to create an account and add your device.



2. Tap the menu icon on your smart phone, then select "Add Device"



3. Follow the steps of the Installation Wizard.

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