



Installation Instructions

Temperature Sensor Kit

For Use with Kühl, Kühl+ units

Please read these instructions completely before attempting installation.

NOTE: These instructions apply to the Friedrich Kühl and Kühl+ units.

Kit Contents: Quantity

Sensor, Outdoor Air Temperature (Black)	1
Sensor, Indoor Return Air Temperature (White)	1
Sensor, Indoor Supply Air Temperature (Red)	1
Sensor, Indoor Coil Temperature (Green)	1
Sensor, Outdoor Coil Temperature (Blue)	1
Clip 3/8" OD Tube SS	2
Clip 5/16" OD Tube SS	2
Tape Cork Insulating 2"x4" roll	1
Wire Ties	6
Instruction Sheet (2 pg)	1

Tools Required: ¼" nut driver, wire cutter snips

Note: Disconnect unit supply cord from the power supply prior servicing the control circuits.

- Step 1.** Remove existing sensors making note of each sensors location, routing, clip orientation, any wire ties used for strain relief, its connector color and its connection point on the electronic control.
- Step 2.** Two sizes of sensor mounting clips are provided for remounting the coil sensors. The clips with a "3" stamped on its side are for 3/8" OD tube coils and the unmarked clip is for 0.312 OD tubed coils. Install the new sensor/clips in the same orientation and position as the original factory setting.
- Step 3.** Cut the supplied piece of cork insulating tape into 2 equal size pieces (2" x 2"). Place one piece over each mounted coil sensor. The purpose of the tape is to insulate the sensor from outside influences and to secure the sensor/clip to the coil return bend.
- Step 4.** Route the sensor leads' to the units' control box and secure the leads with wireties for strain relief. Cut excess wire tie with wire snips.



- Step 5.** Install each sensor to the units' electronic control PCB connector pin. Note that each sensors connector is color coded (See Fig 1 & 2). The sensors connector color matches the PCB connection connector color.
- Step 6.** Reinstall the units' control panel and then insert the supply power cord to the units power supply. Re-establish unit power and observe user interface display. If a sensor is not installed correctly a wrench will be displayed. If the sensors are correctly installed then no wrench will be displayed.

