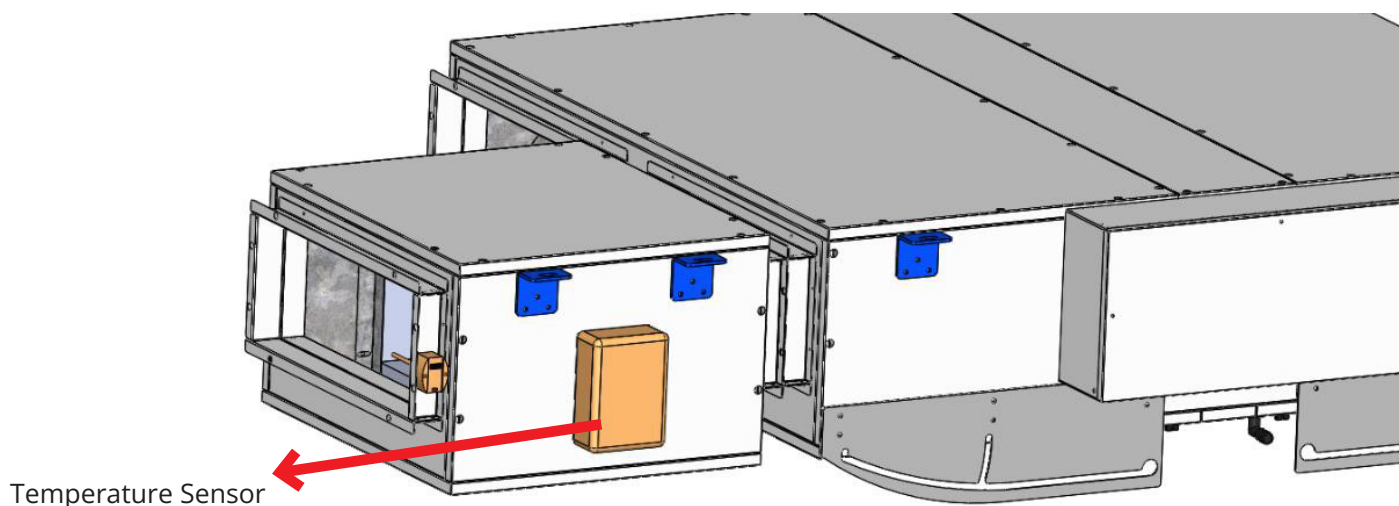


Optional Component Installation Manual - M40

Post Heater Installation



Open the electrical box and make the external 3P+N+PE connection. Connect the signal cables to the device panel using plug & play sockets.

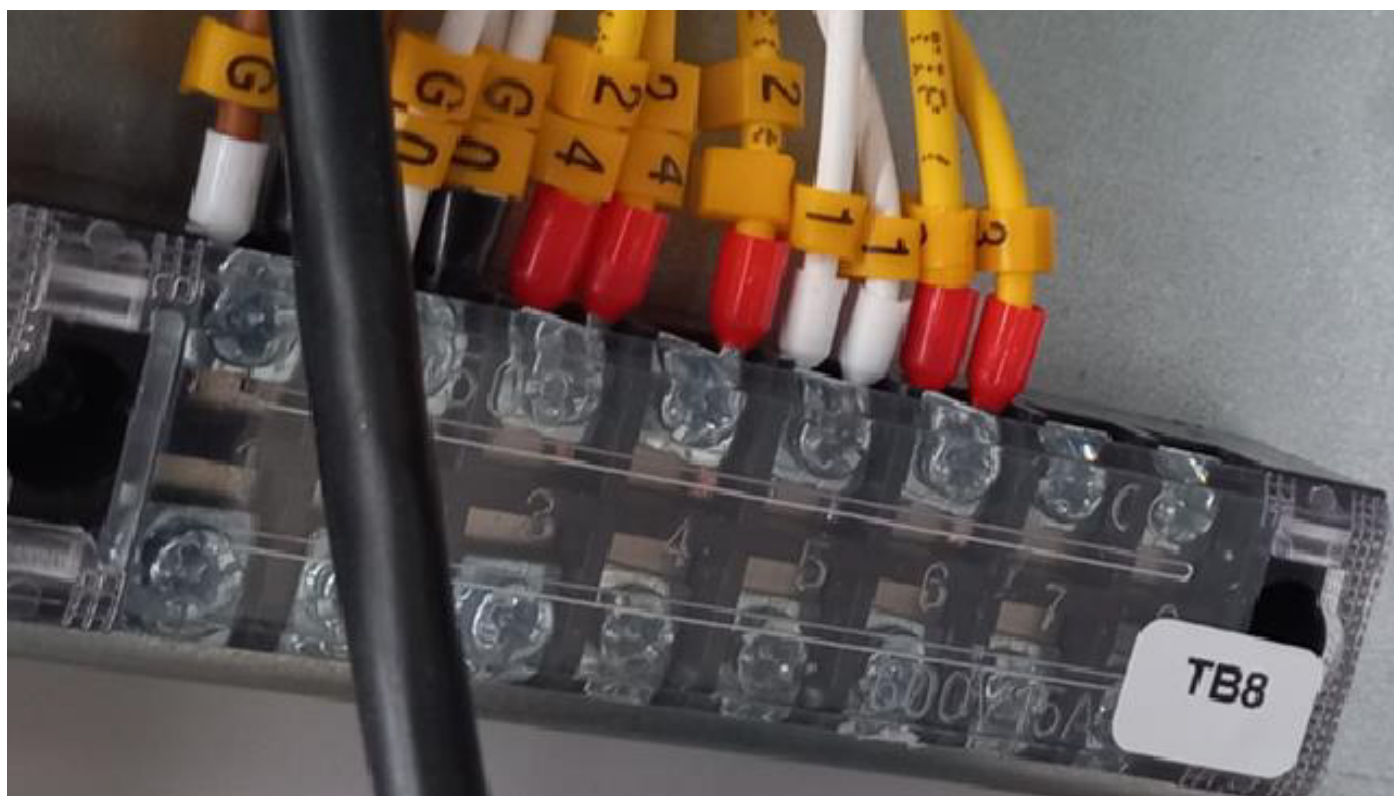
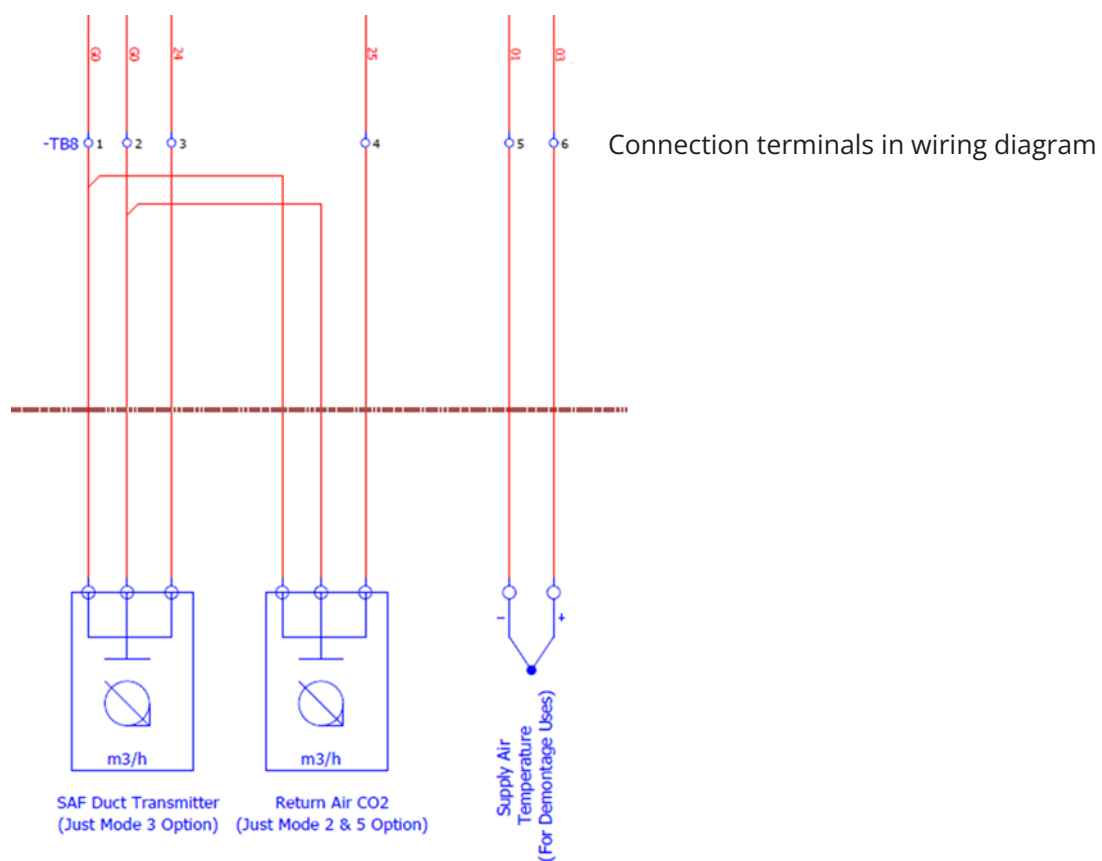
POWER IN					ST		REF	
L1	L2	L3	N	PE	COM	NC	GND	AIN

External Power Supply



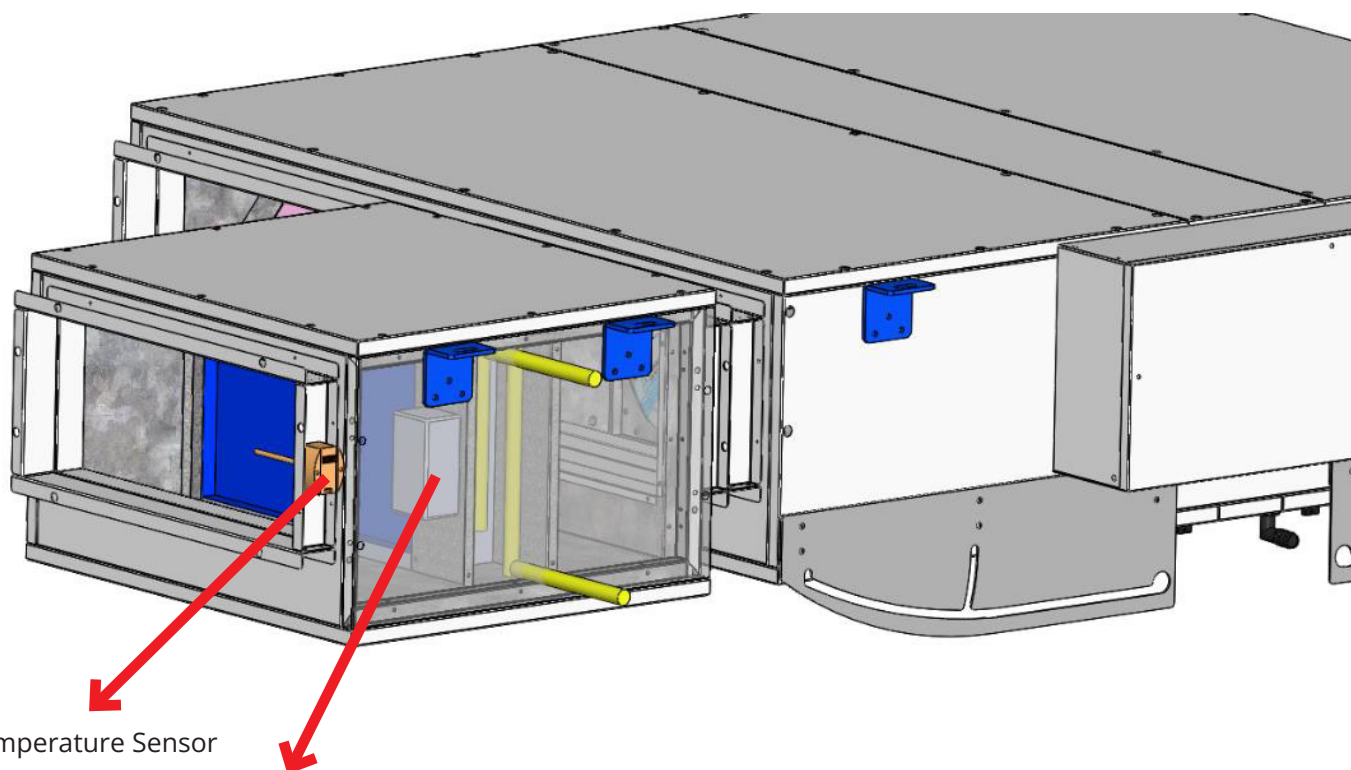
Supply Air Temperature Sensor

After connecting the external sensor, the internal sensor cable must be disconnected.



Water Heater Coil

After connecting the external sensor, the internal sensor cable must be disconnected.



Temperature Sensor

Frost Protection Thermostat

Supply Air Temperature Sensor

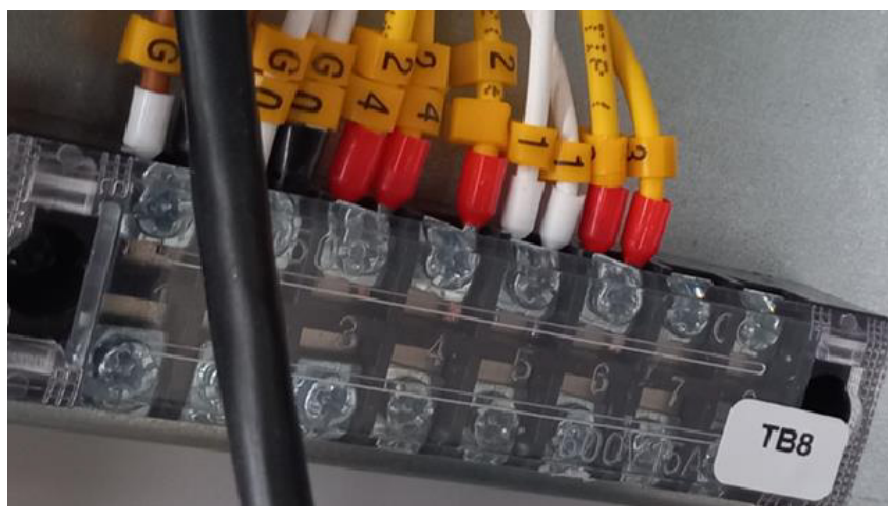
See Page 3 > Temperature sensor connection

Frost Protection Thermostat Connection

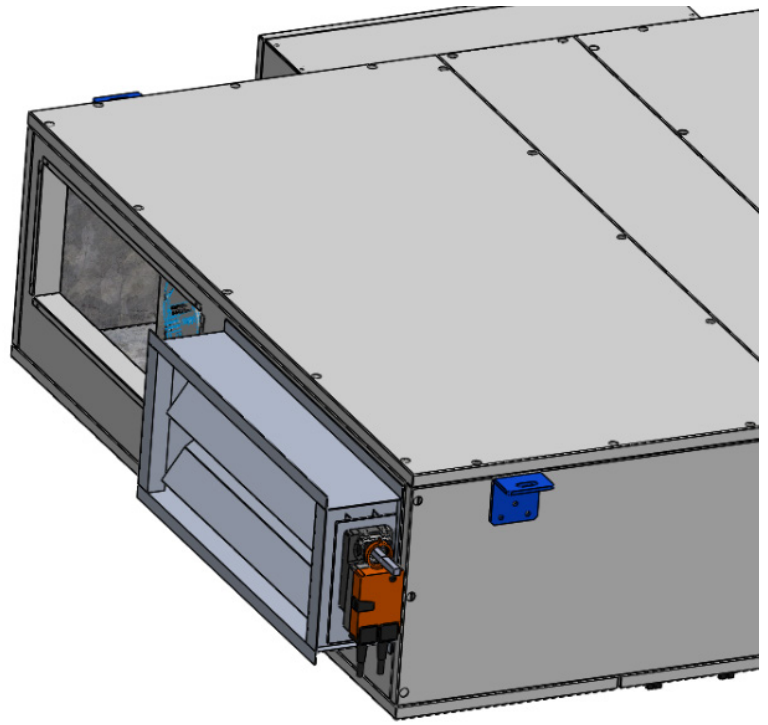
The frost thermostat is mounted on the water coil and is supplied with a cable. The cable must be connected to the relevant terminals on the panel as described below.



Connection terminals in wiring diagram

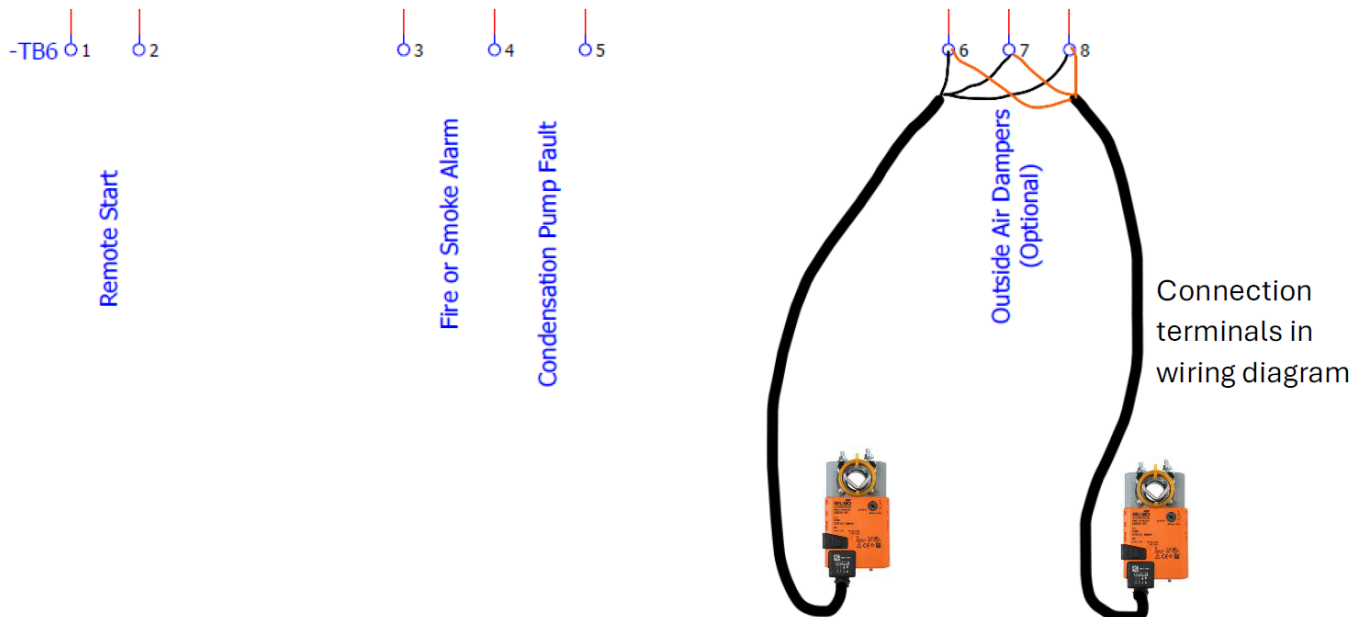


Damper Installation



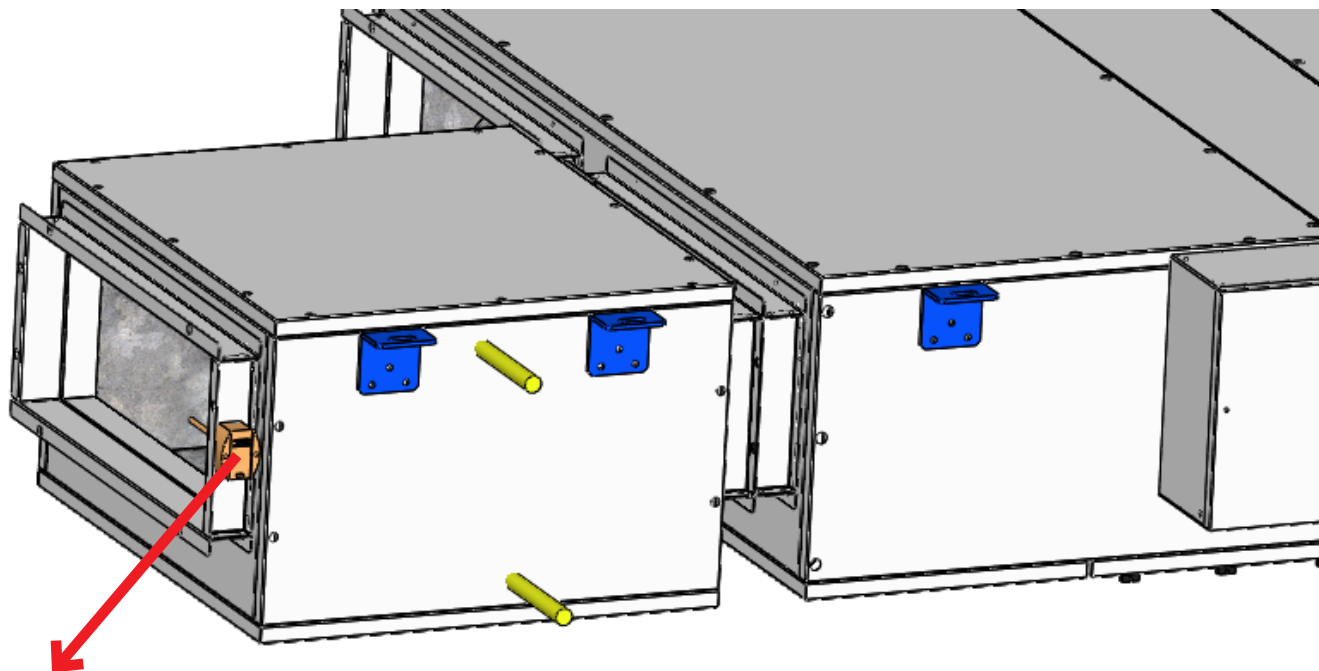
The damper motor cables are supplied ready for use. The cables must be connected to the relevant terminals on the panel as described below.

TB6:6 Open terminal, TB6:7 Close terminal, TB6:8 GND



Both the fresh air and exhaust dampers are connected to the same point.

Cooling Coil & Dx Coil

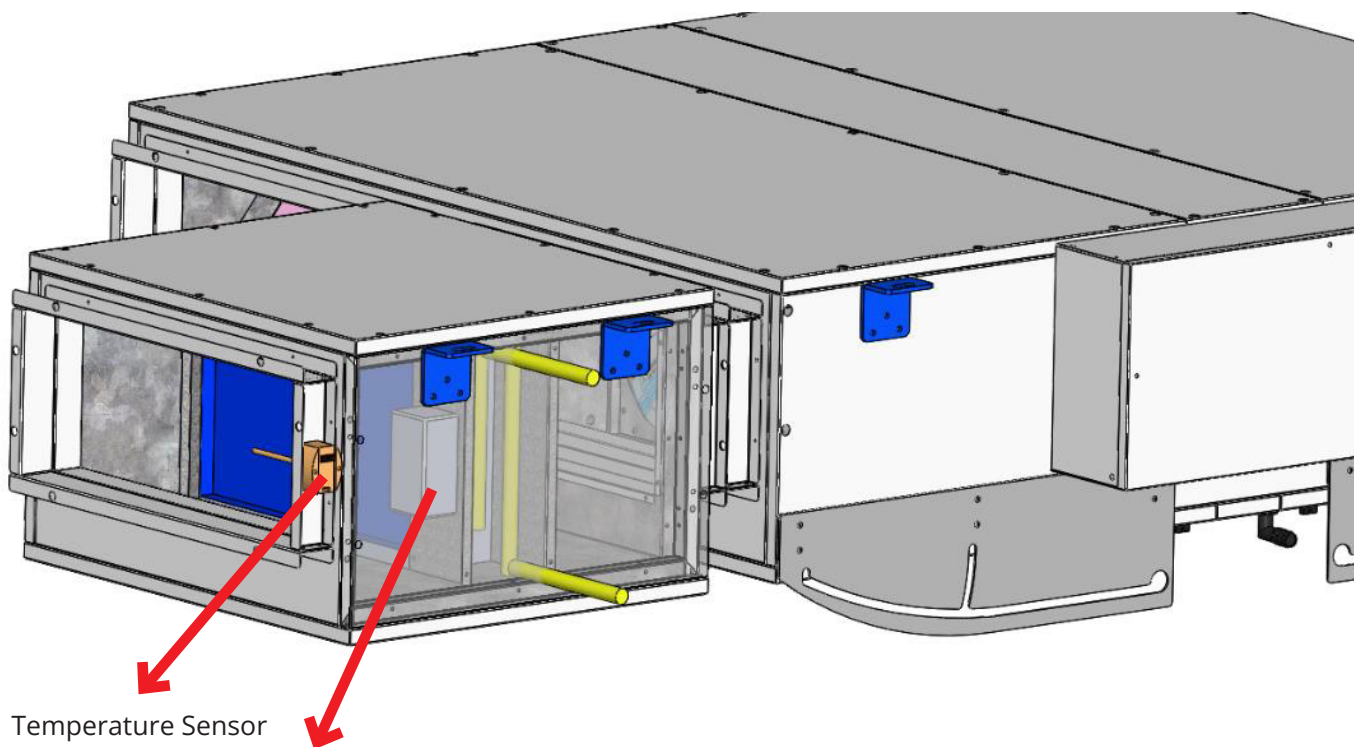


Temperature Sensor

Supply Air Temperature Sensor

See Page 3 > Temperature sensor connection

Change over coil



Temperature Sensor

Frost Protection Thermostat

Supply Air Temperature Sensor

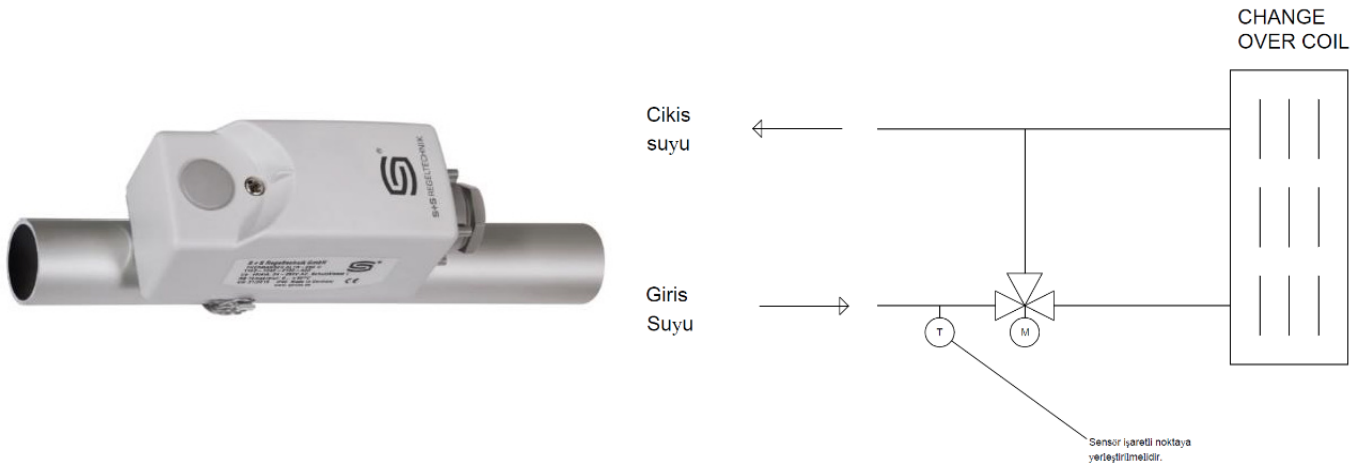
See Page 3 > Temperature sensor connection

Frost Protection Thermostat Sensor

See Page 4 > Temperature sensor connection

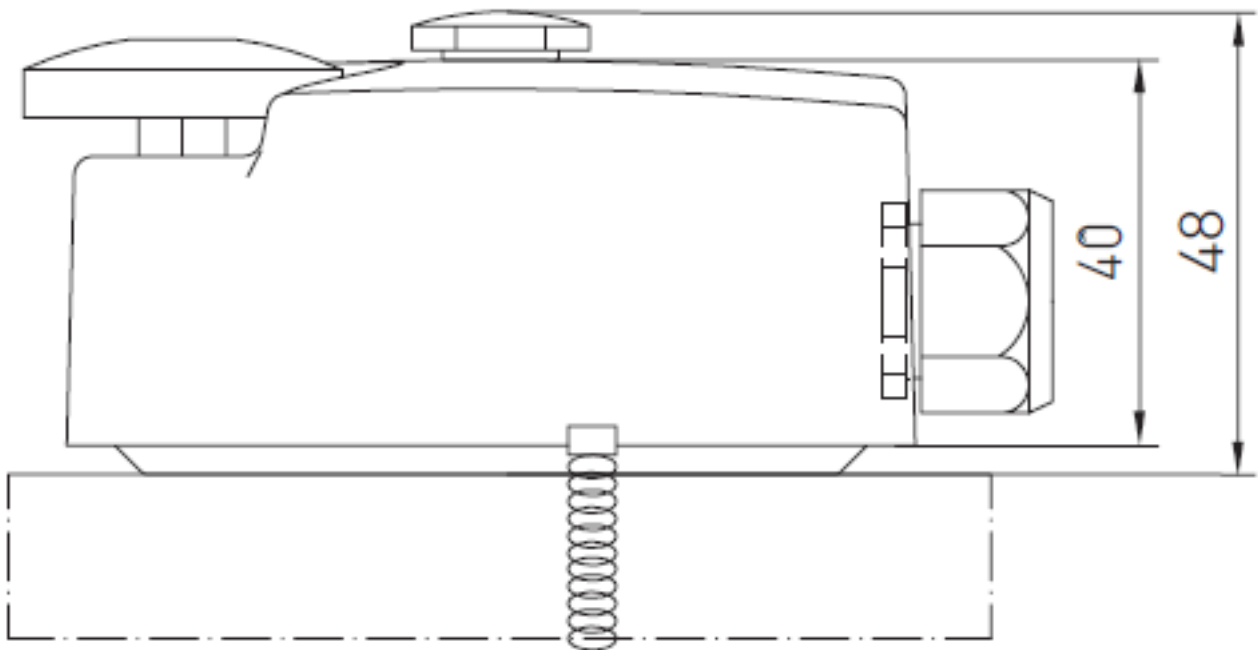
Changeover Sensor

The temperature of the pipe at the coil inlet must be detected by the PLC in order for the coil to operate in both heating and cooling modes. The change over sensor for this process is shipped disassembled.



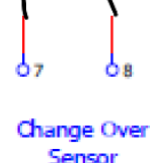
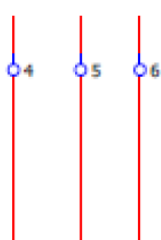
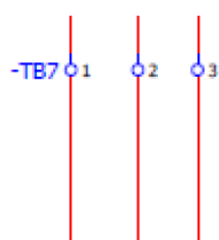
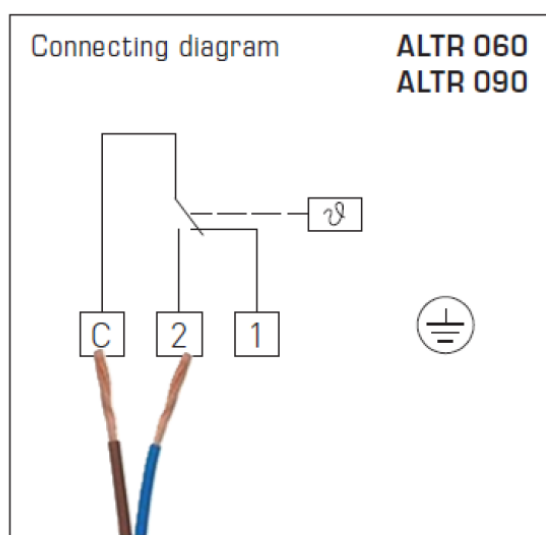
The sensor should be mounted to the point shown in the picture on the installation.

!! The installation must be set up with 3-way valve. 2-way valve should not be used.



For the installation process, place the sensor on the pipe and tightly fasten the chain as shown in the picture.

Sensor cable must be connected to the C and 2 terminals as shown in the picture below.



Connection
terminals in
wiring diagram

Scenario Table

The system operates based on combinations of installed options. To define the correct control logic:

1. Fill out the table below accordingly.
2. Notify Maxivent by Econox of the selected scenario.
3. Maxivent by Econox will send the scenario software.
4. ECONOX/Client must be installed as per the selected scenario.

45	12	None	None	None	None
	16	CO2	PH	EH	DX
	23	HUM		HC	CCW
	40				COC
	55				

> Example Code: 40-07-CO2-None-PH-None-COC