

Scope

To: Spencer Co Public Schools

Date: January 28, 2016

Job Name: Freezer and Cooler Temperature Sensors Additions

We propose to furnish & program new freezer & cooler temperature sensors for Taylorsville Elementary, Spencer County Elementary, and Spencer County High School to be networked on an independent Graphical User Interface with a single log-in point, and to integrate the existing Freezer & cooler temperature sensors at Spencer Middle School onto the new network.

Controls Price\$9,600.00

We include the following:

Spencer County High School

1. Furnish 1 Freezer Temperature Sensor, Installation by Spencer Co Public Schools (SCPS).
2. Furnish 1 Cooler Temperature Sensor, Installation by Spencer Co Public Schools (SCPS).
3. Furnish 1 BACnet Network Controllers pre-mounted in an enclosure ready to be mounted, Installation by SCPS.

Spencer County Elementary

1. Furnish 1 Freezer Temperature Sensor, Installation by Spencer Co Public Schools (SCPS).
2. Furnish 1 Cooler Temperature Sensor, Installation by Spencer Co Public Schools (SCPS).
3. Furnish 1 BACnet Network Controllers pre-mounted in an enclosure ready to be mounted, Installation by SCPS.

Taylorsville Elementary

1. Furnish 1 Freezer Temperature Sensor, Installation by Spencer Co Public Schools (SCPS).
2. Furnish 1 Cooler Temperature Sensor, Installation by Spencer Co Public Schools (SCPS).
3. Furnish 1 BACnet Network Controllers pre-mounted in an enclosure ready to be mounted, Installation by SCPS.

Spencer County Middle School

1. Recalibrate the existing Freezer Temperature Sensor, and network it onto the new Graphical User Interface (GUI).
2. Recalibrate the existing Cooler Temperature Sensor, and network it onto the new Graphical User Interface (GUI).
3. CSUSA will reuse the existing wiring, network controller, and network GUI.

Installation & Commissioning

1. CSUSA will terminate all wires on all Controllers, Graphical User Interface and all Sensors listed above.
2. CSUSA will Calibrate and Commission all sensors and controllers.
3. A 2 year warranty is included on all parts

Graphical User Interface (GUI) & Networking

1. CSUSA will Furnish and Program an Automation Server or JACE-300 Graphical User Interface pre-mounted in an enclosure ready to be mounted, Installation by Spencer Co Public Schools (SCPS).
2. Programming of the temperature sensors on the network
3. Will provide a single page graphic display showing each of the 4 schools Freezer and Cooler Temperatures,
4. Will provide one log-in point that is independent of the existing BAS system.
5. CSUSA will set up email alerts for each school of the 4 Freezers and 4 Coolers above, to notify the staff if the temperature drops below a pre-determined threshold for a pre-determined length of time.

Comfort Systems USA

3405 Robards Court, Louisville KY 40218
Telephone: (502) 873-4744
Facsimile: (502) 368-8206
Email: corey.todd@comfortsystemsusa.com

Schneider Electric • TAC • Andover • Invensys • Siebe • Barber-Colman • Robertshaw

Factory Authorized Field Office

Spencer Co Public Schools will be Responsible for the following:

1. Installation of the 3 Freezer sensors and 3 Cooler Sensors as indicated above.
2. Mounting of the 3 panels with the controllers and GUI networking device in it.
3. Pulling sensor and power wire back to panel, terminations by CSUSA.
4. Network IT drop pulled to panel with proper network access, termination by CSUSA.

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We propose to furnish & program new freezer temperature sensors for Taylorsville Elementary, Spencer County Elementary, and Spencer County High School to be networked on an independent Graphical User Interface with a single log-in point, and to integrate the existing Freezer Temp Sensors at Spencer Middle School onto new network.

Controls Price **\$9,600.00**

We include the following:

1. Furnish 6 Freezer Temperature Sensors, Installation by Spencer Co Public Schools
2. Furnish 3 BACnet Network Controllers pre-mounted in an enclosure ready to be mounted, Installation by Spencer Co Public Schools.
3. CSUSA will terminate all wires on controller and at sensor.
4. Calibration of the sensors.
5. Furnish and program an Automation Server or JACE-300 Graphical User Interface pre-mounted in an enclosure ready to be mounted, Installation by Spencer Co.
6. Programming the temperature sensors on the network with single page graphic displaying all school Freezer Cooler Temperatures, with one log-in point that is independent of the existing BAS system.
7. Integration of existing Freezer Temp Sensors at Spencer Middle School onto new network.

Spencer Co Public Schools will be Responsible for the following

1. Installation of the 2 Freezer sensors.
2. Mounting of the panel with controller/GUI device in it.
3. Pulling sensor and power wire back to panel, terminations by CSUSA.
4. Network IT drop pulled to panel with proper network access.

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