

6/18/2024

Direct Digital Control proposes to update the Marshall Airport building automation system that was installed in 2002 as follows:

General

- Replace 18/2 Smart II communication cabling with Cat5e cabling for IP based controllers.
- Use the existing 24 VAC transformer for control power.
- Use existing enclosures, raceway, and wiring where possible.
- Output devices will be reused unless noted otherwise.
- Input devices, except Staefa thermistors, will be reused unless noted otherwise.

Replace AX JACE with N5 supervisor software installed on mini PC. 5 years of software updates included.

18 VAV boxes

- Replace Smart II VAV controller with Distech Eclipse ECY-VAV
- Room temperature sensor replaced with functionality maintained.
- Add supply temperature sensor for ease in troubleshooting and improved space temperature control.
- Damper motor will be removed as it is no longer required.
- Velocity probe will be removed as it is no longer required. We are assuming that the velocity pressure pickup is useable.
- Update control sequences to current industry standards

Air Handling Unit that serves VAV boxes:

- Replace two Smart II DDC controllers with one Distech Eclipse ECY-303
- Replace supply and return temperature sensors.
- Update control sequences to current industry standards.

Heating plant:

- Replace Smart II DDC controllers with Distech Eclipse ECY-303
- Replace hot water supply and return temperature sensors.
- Update control sequences to current industry standards.

Misc equipment controls to update:

- 4 unit heaters
- 2 snow melt zones
- 4 radiant floor zones
- DHW pump
- 2 ceiling radiant zones
- Chiller enable



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C O N T R O L

Automating Buildings Since 1994

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Assumptions:

- Work to be conducted during normal business hours.
- Price is valid for 90 days.
- Project to be completed by the end of 2024.
- All work is warrantied for 1 year.

Your price: \$41,290.

To recalibrate the 18 VAV boxes add: \$2550.

To add return air relative humidity sensor to AHU so dehumidification mode can be implemented add: \$500.

Sincerely,

Kasey Abbott, PE

Customer Acceptance: Name _____ Signature _____