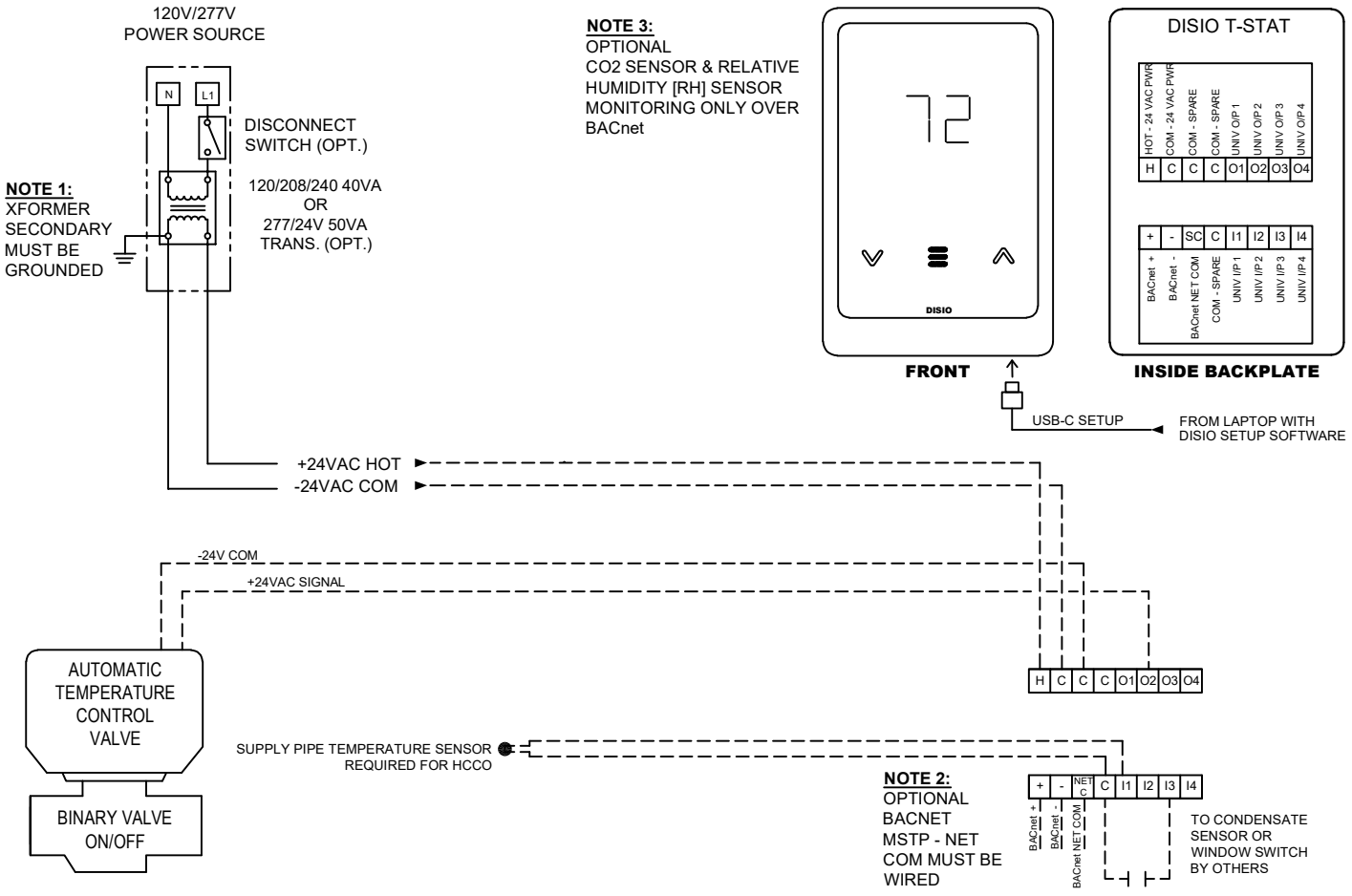
FAN COIL CONTROLS
DISIO DISPLAY THERMOSTAT

Control Sequence Number DX-500

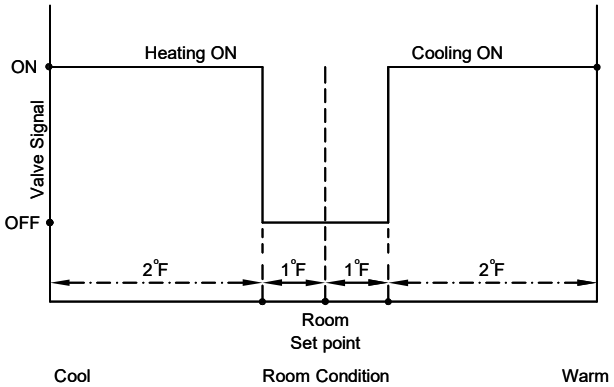


LEGEND

FACTORY ELECTRICAL WIRING

FIELD ELECTRICAL WIRING

CONTROL GRAPH



Sequence of Operation -- On/Off Heating or Cooling with Heat/Cool Changeover
If no HCCO sensor is present, the controller assumes chilled water supply at all times

Cooling: On an increase in room temperature above the room set point, the controller opens the hydronic valve to allow cold water to flow through the radiant device, if the system water is hot, the valve will remain closed. On a decrease in room temperature below the cooling proportional band, the hydronic valve closes.

Heating: On an decrease in room temperature below the room set point, the controller opens the hydronic valve to allow hot water to flow through the radiant device, if system water is cold, the valve will remain closed. On a increase in room temperature above the heating proportional band, the hydronic valve closes.

Deadband: When the room is satisfied, the valve is in the closed position, preventing any water flow to the beam.

Condensate Sensor: When the switch is closed (upon detection of condensation), the controller will close the hydronic valve to stop the flow of water to the beam. The status of the sensor is reported over BACnet.

*If valve has been closed for 10 hours (adjustable) it will be opened for a maximum of 5 minutes to determine if water supply temperature has changed.

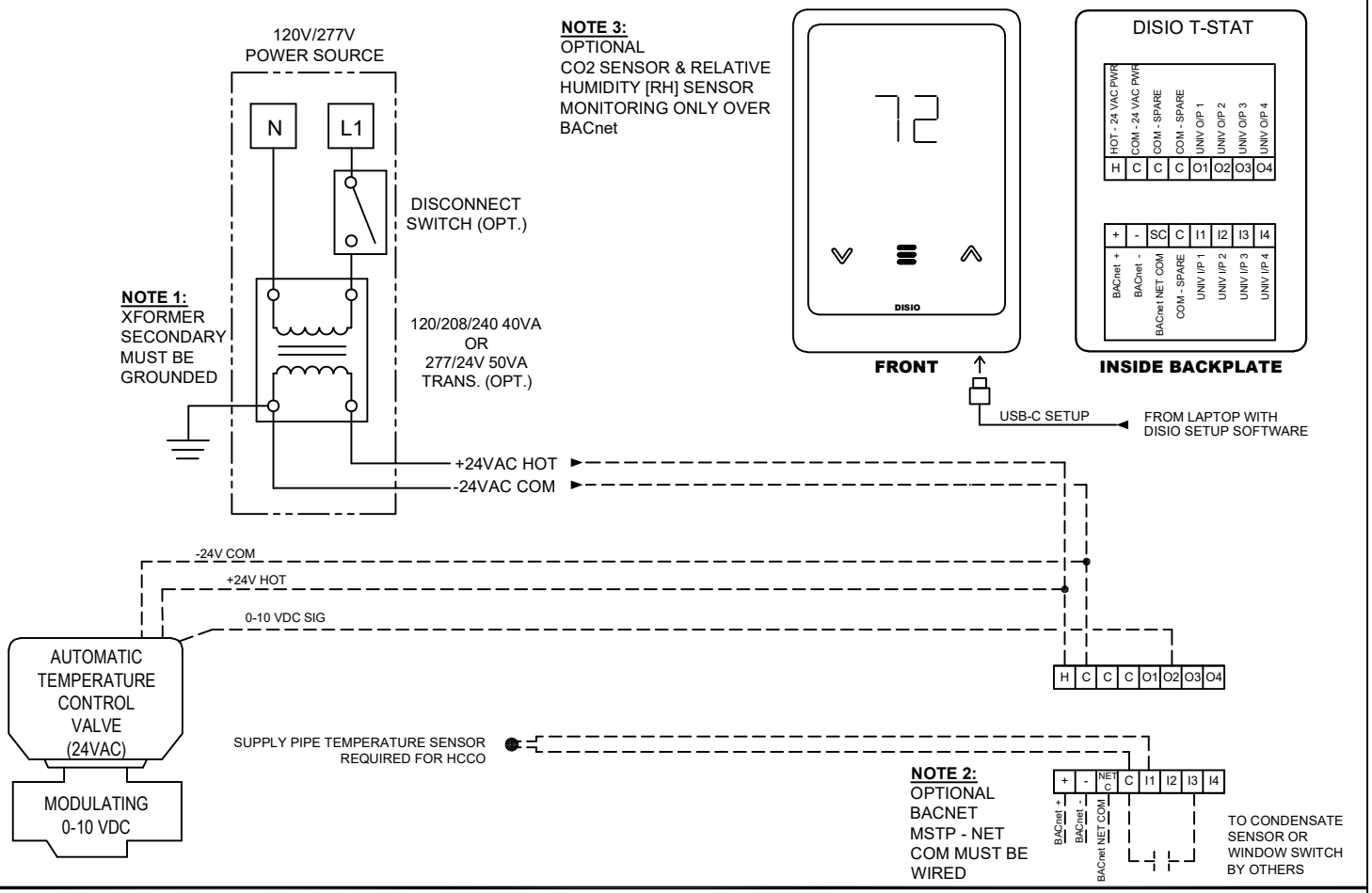
Visit disio.io/setup for free Disio Setup software for Windows computers.

PROJECT:			
ENGINEER:		BC MB	**HYDRONIC SYSTEMS** **DISIO DISPLAY** 2-PIPE SYSTEM 2-PIPE BIN HCCO
CUSTOMER:		274897	
SUBMITTAL DATE:	**SPEC. SYMBOL:**	23/09/2024	

REV B

FAN COIL CONTROLS
DISIO DISPLAY THERMOSTAT

Control Sequence Number DX-501

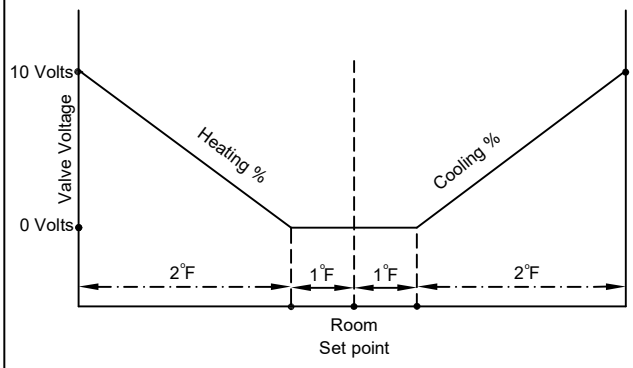


LEGEND

FACTORY ELECTRICAL WIRING

FIELD ELECTRICAL WIRING

CONTROL GRAPH



Sequence of Operation -- Modulating Heating or Cooling

Cooling: On an increase in room temperature above the room set point, the controller will modulate the hydronic valve open to allow cold water to flow through the radiant device. If the system water is hot, the valve will remain closed. On a decrease in room temperature below the cooling proportional band, the controller will modulate the hydronic valve closed.

Heating: On an decrease in room temperature below the room set point, the controller will modulate the hydronic valve open to allow hot water to flow through the radiant device. If system water is cold, the valve will remain closed. On an increase in room temperature above the heating proportional band, the controller will modulate the hydronic valve closed.

Deadband: When the room is satisfied, the valve is in the closed position, preventing any water flow to the beam.

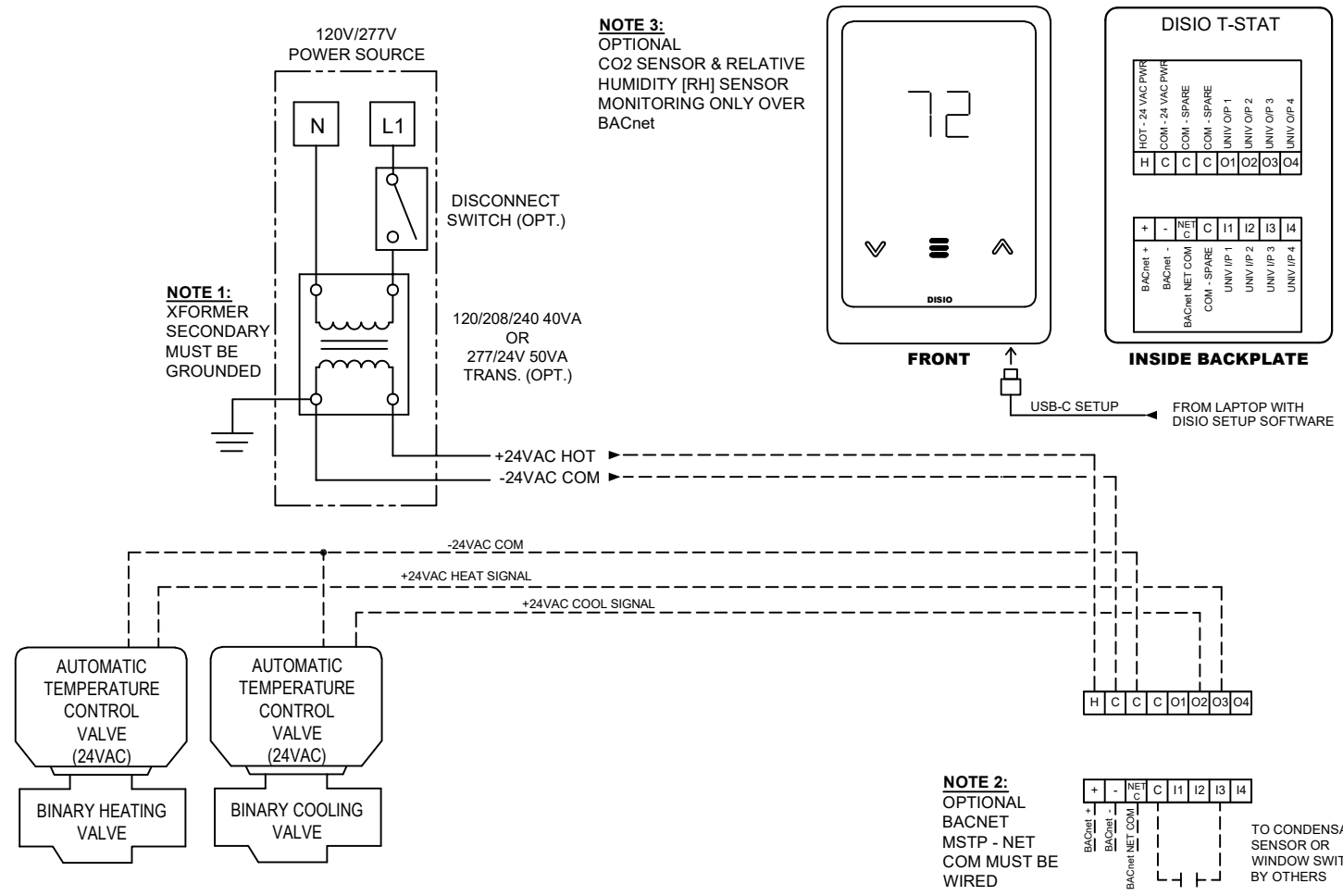
*If valve has been closed for 10 hours (adjustable) if will be opened for a maximum of 5 minutes to determine if water supply temperature has changed.
Visit disio.io/setup for free Disio Setup software for Windows computers.

PROJECT:			
ENGINEER:		BC MB	**HYDRONIC SYSTEMS** **DISIO DISPLAY** 2 PIPE SYSTEM 2-PIPE MOD HCCO
CUSTOMER:		274898	
SUBMITTAL DATE:	**SPEC. SYMBOL:**	23/09/2024	

REV B

FAN COIL CONTROLS
DISIO DISPLAY THERMOSTAT

Control Sequence Number DX-502

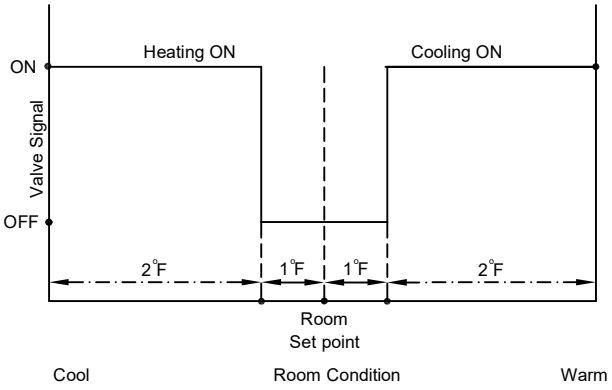


LEGEND

FACTORY ELECTRICAL WIRING

FIELD ELECTRICAL WIRING

CONTROL GRAPH



Sequence of Operation -- On/Off Heating & On/Off Cooling

Cooling: On an increase in room temperature above the room set point, the controller will open the cooling valve to allow cold water to flow through the radiant device. On a decrease in room temperature below the cooling proportional band, the controller will close the cooling valve.

Heating: On an decrease in room temperature below the room set point, the controller will open the heating valve to allow hot water to flow through the radiant device. On a increase in room temperature above the heating proportional band, the controller will close the heating valve.

Deadband: When the room is satisfied, both valves are in the closed position, preventing any water flow to the beam.

Condensate Sensor: When the switch is closed (upon detection of condensation), the controller will keep the hydronic valves closed to stop the flow of water to the beam. The status of the sensor is reported over BACnet.

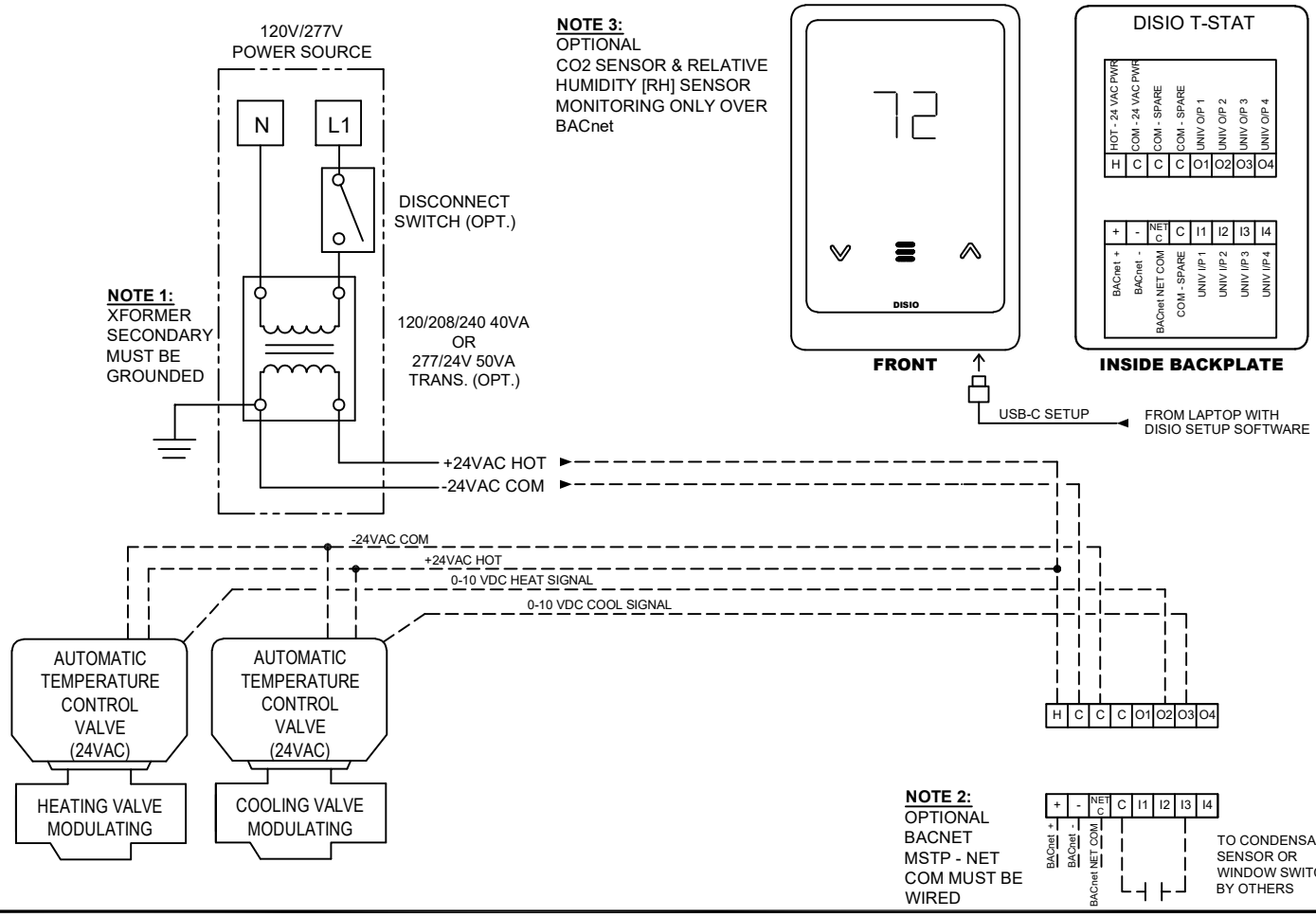
Visit disio.io/setup for free DISIO Setup Software compatible with Windows.

PROJECT:			
ENGINEER:		BC MB	**HYDRONIC SYSTEMS** **DISIO DISPLAY** 4-PIPE SYSTEM 4-PIPE BINARY
CUSTOMER:		274899	
SUBMITTAL DATE:	**SPEC. SYMBOL:**	23/09/2024	

REV B

FAN COIL CONTROLS
DISIO DISPLAY THERMOSTAT

Control Sequence Number DX-503

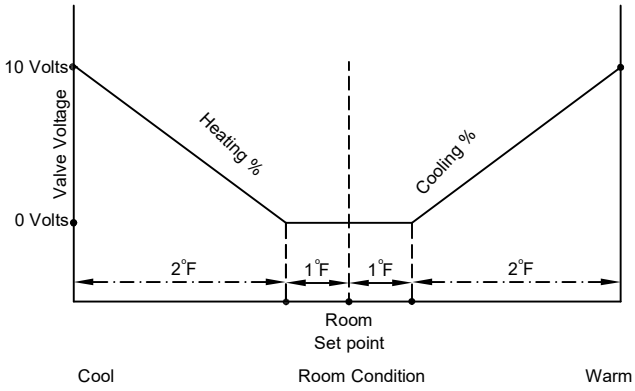


LEGEND

FACTORY ELECTRICAL WIRING

FIELD ELECTRICAL WIRING

CONTROL GRAPH



Sequence of Operation -- Modulating Heating & Modulating Cooling

Cooling: On an increase in room temperature above the room set point, the controller will modulate the cooling valve open to allow cold water to flow through the radiant device. On a decrease in room temperature below the cooling proportional band, the controller modulates the cooling valve closed.

Heating: On an decrease in room temperature below the room set point, the controller will modulate the heating valve open to allow hot water to flow through the radiant device. On a increase in room temperature above the heating proportional band, the controller modulates the heating valve closed.

Deadband: When the room is satisfied, both valves are in the closed position, preventing any water flow to the beam.

Condensate Sensor: When the switch is closed (upon detection of condensation), the controller will keep the hydronic valves closed to stop the flow of water to the beam. The status of the sensor is reported over BACnet.

Visit disio.io/setup for free DISIO Setup Software compatible with Windows.

PROJECT:			
ENGINEER:		BC MB	**HYDRONIC SYSTEMS** **DISIO DISPLAY** 4 PIPE SYSTEM 4-PIPE MODULATING
CUSTOMER:		274900	
SUBMITTAL DATE:	**SPEC. SYMBOL:**	23/09/2024	

REV B