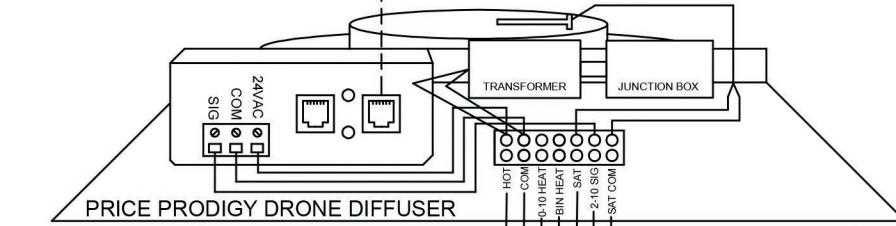
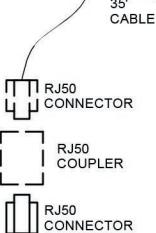


TO ADDITIONAL PRODIGY DRONES (UPTO 5)

SAT PROBE (REQ'D FOR HCCO) -
FACTORY MOUNTED ON DIFFUSER



| SIGNAL | DAMPER POSITION |
|----------|--|
| 0-2 VDC | NO SIGNAL, DAMPER AT MIN POSITION |
| 2-10 VDC | PROPORTIONAL MODULATION, 2 VDC = MIN, 10 VDC = MAX |



THERMOSTAT TO DIFFUSER FIELD INSTALLATION INSTRUCTION:
CONNECT RJ-50 END OF PRE-TERMINATED 10 CONDUCTOR CABLE TO RJ-50 END OF PRE-TERMINATED 10 CONDUCTOR PIGTAIL USING SUPPLIED RJ-50 COUPLER. BE CAREFUL NOT TO KINK EITHER CABLE, OR OVERTIGHTEN SERVING LOOPS AS THIS MAY CAUSE CONDUCTORS OF THE CABLE TO BREAK. CARE MUST BE TAKEN WHILE FISHING CABLE DOWN THE WALL.

OPTIONAL BACNET CONNECTION - 3 WIRE MS/TP (+, -, NET COM). NET COM MUST BE WIRED!

LEGEND

| | |
|-----------|----------------|
| ————— | FACTORY WIRING |
| - - - - - | FIELD WIRING |

RED LED BLINK SEQUENCE CODE (ON DIFFUSER)

| | |
|----------|-------------------------------------|
| NO BLINK | NO POWER TO DIFFUSER |
| 1 BLINK | POOR CONNECTION TO DISIO THERMOSTAT |
| 2 BLINKS | CLOSED - NORMAL OPERATION |
| 3 BLINKS | NORMAL OPERATION |
| 4 BLINKS | OPEN - NORMAL OPERATION |
| 5 BLINKS | MOTOR SWITCH ERROR - DAMPER AT 50% |

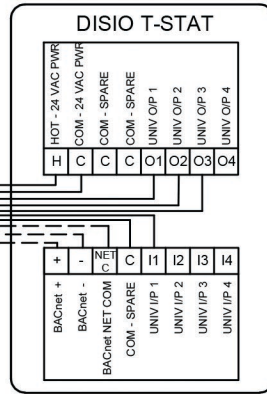
CABLE DIFFUSER CONNECTION

| | |
|------------|--------|
| 24 VAC HOT | ORANGE |
| 24 VAC COM | BROWN |
| 0-10 HEAT | BLUE |
| BIN HEAT | GREEN |
| SAT | BLACK |
| 2-10 SIG | PURPLE |
| SAT COM | WHITE |

*FACTORY WIRED - FOR REFERENCE ONLY



FRONT
↑
USB-C SETUP
FROM LAPTOP WITH DISIO SETUP SOFTWARE



BALANCING NOTE: OVERRIDE THE DAMPER TO THE COOL MAX POSITION BY PRESSING AND HOLDING THE MIDDLE BUTTON FOR 5 SECONDS, AND ENTERING DOWN, UP, UP, DOWN. THE DAMPER WILL STAY IN THIS POSITION UNTIL ANY BUTTON IS PRESSED. ALTERNATIVELY BACNET POINT MV6 CAN BE WRITTEN TO TO ENABLE THE BALANCING OVERRIDE.

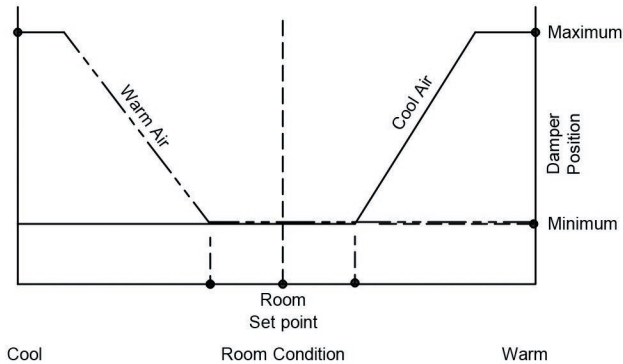
CABLE THERMOSTAT CONNECTION

| | |
|--------------|--------|
| HOT - 24 VAC | ORANGE |
| COM - 24 VAC | BROWN |
| UNIV O/P 3 | BLUE |
| UNIV O/P 2 | GREEN |
| UNIV 1/P 1 | BLACK |
| UNIV O/P 1 | PURPLE |
| COM SPARE | WHITE |

*FACTORY WIRED - FOR REFERENCE ONLY

INSIDE BACKPLATE

CONTROL GRAPH



Sequence of Operation -- PPD with Disio Display Thermostat Controller

On power up the damper will calibrate fully-open for 2 minutes.

Cool supply air: On an increase in space temperature the T-Stat and Prodigy regulate the the diffuser's air damper open to increase the flow of cool air. On an increase of space temperature greater than the cooling proportional band, the damper position (%) is maintained at its pre-selected maximum setting.

On a decrease in space temperature the T-Stat and Prodigy regulate the diffuser's air damper closed to reduce the flow of cool air. If the space temperature decreases to less than the cooling proportional band, the damper position (%) is maintained at the pre-selected minimum setting.

Warm supply air: On a decrease in space temperature the T-Stat and Prodigy regulate the diffuser's air damper open to increase the flow of warm air. On a decrease of space temperature greater than the heating proportional band, the damper position (%) is maintained at its pre-selected maximum setting.

On an increase in space temperature the T-Stat and Prodigy regulate the diffuser's air damper to reduce the flow of warm air. If the space temperature increases above the heating proportional band, the damper position (%) is maintained at the pre-selected minimum setting.

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

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

PRICE[®]

MR MD

**DISIO DISPLAY THERMOSTAT
PRODIGY DISIO CONTROL**
5 DRONES MAX FROM
DISIO DISPLAY SIGNAL

274945

2023/03/10