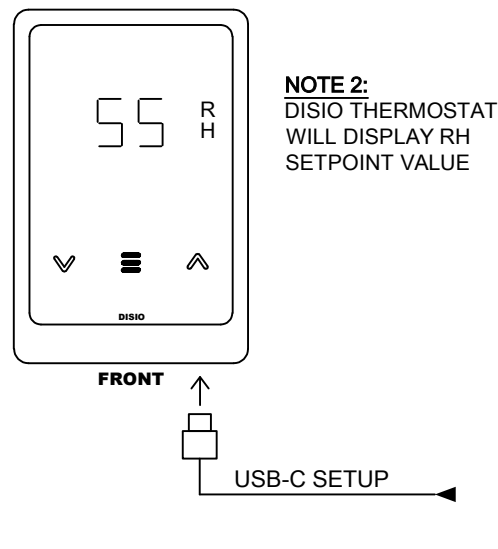
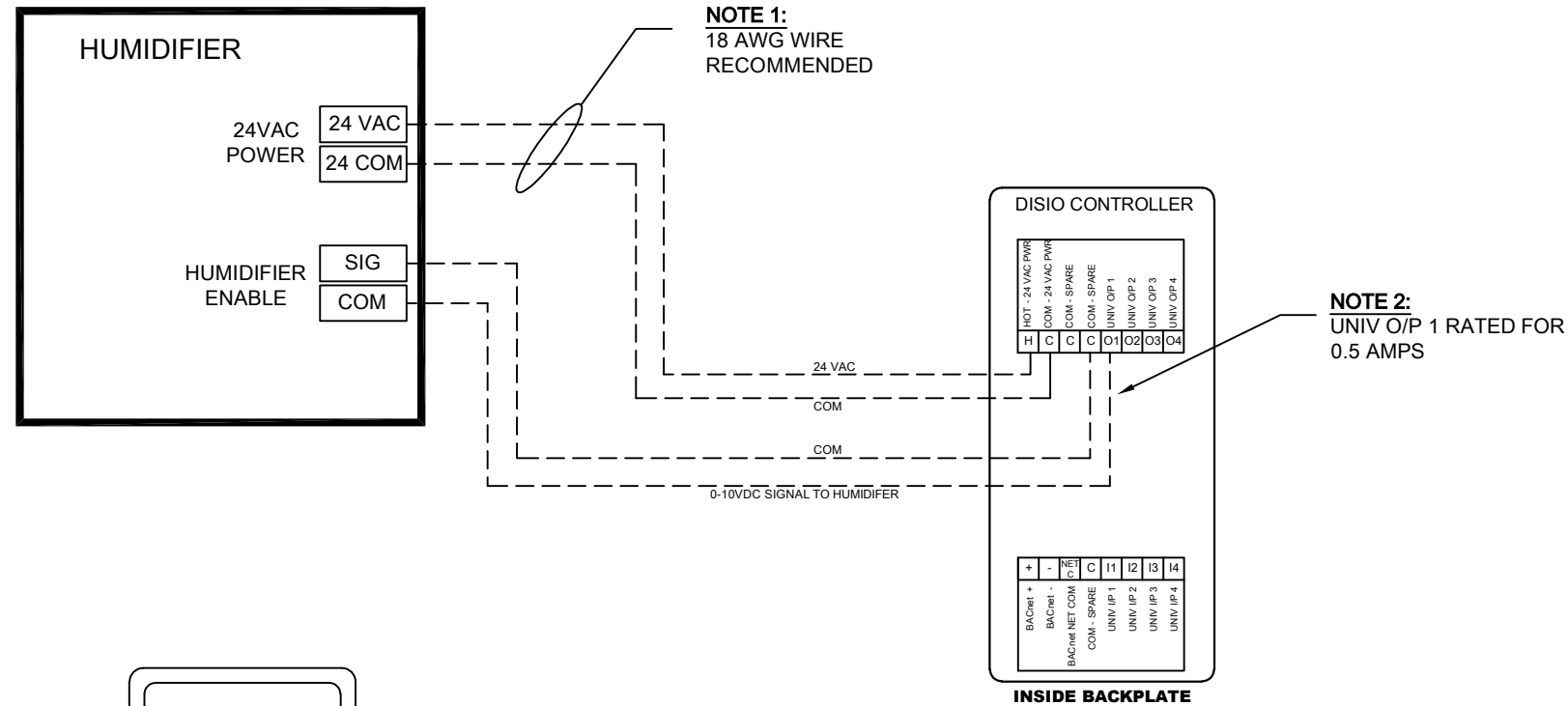


RELATIVE HUMIDITY [RH] CONTROL



SEQUENCE OF OPERATION:
DISIO DISPLAY CONTROLLER WILL BE USED AS A RELATIVE HUMIDITY CONTROLLER AND DISPLAY THE RH SETPOINT ON THE MAIN SCREEN

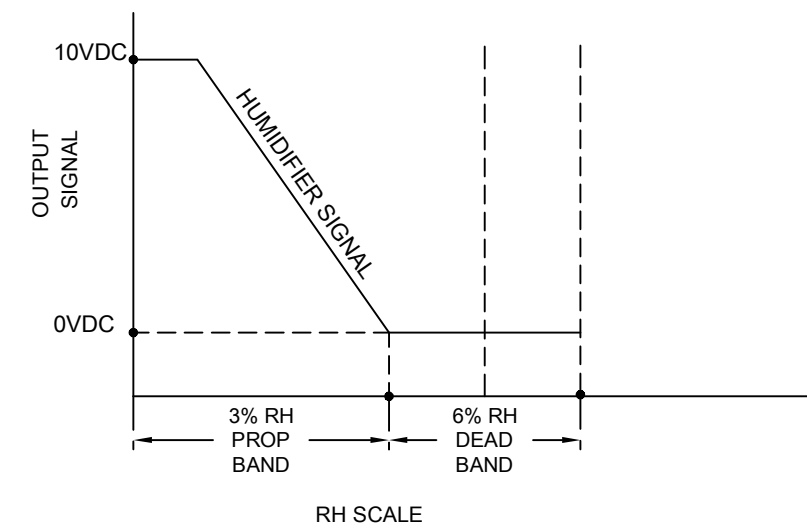
WHEN THE RELATIVE HUMIDITY DROPS BELOW THE USER DEFINED SETPOINT BY 3% RH [ADJUSTABLE], THE CONTROLLER WILL SEND A SIGNAL TO MODULATE THE HUMIDIFIER
IF THE RELATIVE HUMIDITY CONTINUES TO DROP AN ADDITIONAL 3% RH, THE CONTROLLER WILL SEND A 10VDC SIGNAL TO MODULATE THE HUMIDIFIER

EG. IF THE SETPOINT IS 30% RH, AND THE RH DROPS TO 27%, THE CONTROLLER WILL ENABLE A SIGNAL TO THE HUMIDIFIER. IF THE RH DROPS TO 24% RH, THE CONTROLLER WILL SEND A 10VDC SIGNAL TO THE HUMIDIFIER

KEY PARAMETERS WITHIN DISIO SETUP FOR ADJUSTMENT:

- HUMIDITY SETPOINT - DEFAULT 33% RH
- HUMIDITY DEADBAND - DEFAULT 6% RH
- HUMIDITY PROP BAND - DEFAULT 3% RH
- MIN HUMIDITY SETPOINT - 20%
- MAX HUMIDITY SETPOINT - 70%

CONTROL GRAPH



LEGEND
- - - - - FIELD ELECTRICAL WIRING

PROJECT:
IBEOS

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:



DISIO DISPLAY
DISIO CONTROLLER
RELATIVE HUMIDITY CONTROL
RH

CXY30467

23/09/2024