Standard Point Connections for Controllers

Standard Engineering Practices

Document: 6.2

Date 10-17-01

Supersedes:

STANDARD POINT CONNECTIONS FOR MZII & MNL-800 AHU/RTU

UI1 RETURN AIR TEMPERATURE
UI2 MIXED AIR TEMPERATURE
UI3 DISCHARGE AIR TEMPERATURE
UI4 SPACE TEMPERATURE
UI5 SUPPLY FAN STATUS (DP OR CT)
UI6 RETURN FAN STATUS (DP OR CT)
UI7 RETURN AIR OR SPACE R.H.
UI8 DISCHARGE AIR R.H.

AO1 MIXED AIR DAMPER CONTROL
AO2 HOT WATER CONTROL VALVE
AO3 CHILLED WATER CONTROL VALVE
AO4 R.H. CONTROL

DO1 SUPPLY FAN START/STOP (N.O.)
DO2 RETURN FAN START/STOP (N.O.)
DO3 1ST STAGE DX (N.O.) OR CHILLED WATER PUMP START/STOP (N.O.)
DO4 2ND STAGE DX (N.O.)
DO5 1ST STAGE HEAT (N.O.) OR HOT WATER PUMP START/STOP (N.O.)
DO6 2ND STAGE HEAT (N.O.)
DO7 R.H. ENABLE/DISABLE
DO8 SUPPLY FAN STATUS (LED WILL BE ON WHEN S.F. IS RUNNING BASED ON UI5)

STANDARD POINT CONNECTIONS FOR MNL-200 AHU/RTU

UI1 FAN CURRENT SWITCH
UI2 MIXED AIR TEMPERATURE
UI3 DISCHARGE AIR TEMPERATURE

DI1 FILTER DIFFERENTIAL PRESSURE SWITCH
DI2 SMOKE DETECTOR

AO1 MIXED AIR DAMPER CONTROL
AO2 HOT WATER CONTROL VALVE

DO1 SUPPLY FAN START/STOP (N.O.)
DO2 RETURN FAN START/STOP (N.O.)
DO3 1ST STAGE DX (N.O.) OR CHILLED WATER PUMP START/STOP (N.O.)
DO4 2ND STAGE DX (N.O.)
DO5 1ST STAGE HEAT (N.O.) OR HOT WATER PUMP START/STOP (N.O.)
DO6 2ND STAGE HEAT (N.O.)

Confidential Information for Invensys Energy Solutions Employees and Affiliates
Building Systems - Americas
© 2002 Invensys. All Rights Reserved.

STANDARD POINT CONNECTIONS FOR MZII & MNL-800 HOT WATER SYSTEM

UI1	HOT WATER SUPPLY TEMPERATURE	
UI2	HOT WATER RETURN TEMPERATURE	
UI3	PUMP#1 RUN STATUS (DP OR CT)	
UI4	PUMP#2 RUN STATUS (DP OR CT)	
UI5	DPC5-2	IN1 BOILER#1 RUN STATUS
		IN2 BOILER#1 ALARM STATUS
		IN3 BOILER #2 RUN STATUS
		IN4 BOILER #2 ALARM STATUS
		IN5 SPARE
UI6	SPARE	
UI7	OUTSIDE AIR TEMPERATURE	
UI8	OUTSIDE AIR R.H. TRANSMITTER	

AO1	HOT WATER CONTROL VALVE
AO2	SPARE
AO3	BOILER#1 GAS/VANE CONTROL
AO4	BOILER #2 GAS/VANE CONTROL

DO1	PUMP#1 START/STOP (N.C.)
DO2	PUMP#2 START/STOP (N.C.)
DO3	BOILER#1 ENABLE/DISABLE (N.C.)
DO4	BOILER#2 ENABLE/DISABLE (N.C.)
DO5	SPARE
DO6	SPARE
DO7	SPARE
DO8	SPARE

Confidential Information for Invensys Energy Solutions Employees and Affiliates
Building Systems - Americas
© 2002 Invensys. All Rights Reserved.