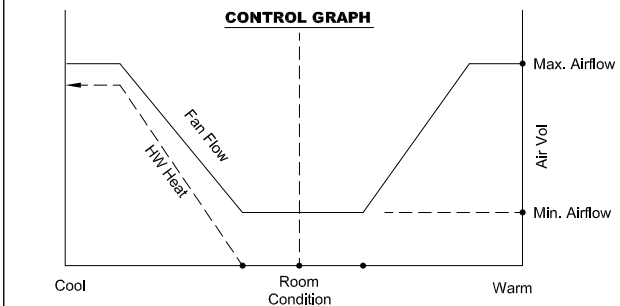


LEGEND

- PRICE NETC35 (RJ-45) - PLENUM CABLE - FIELD WIRED
- FACTORY ELECTRICAL WIRING
- FIELD ELECTRICAL WIRING



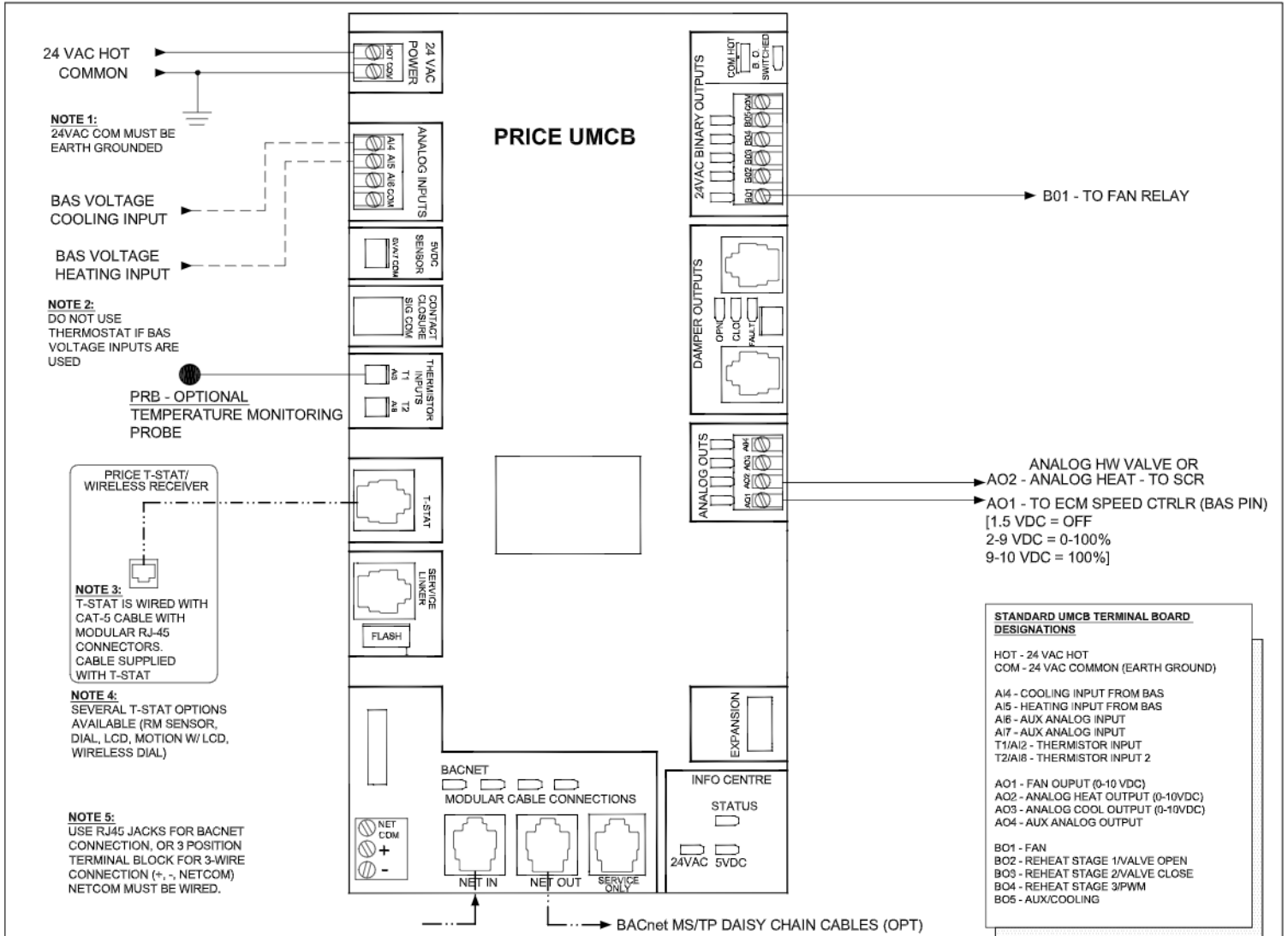
Sequence of Operation – Cooling with Modulating Fan; Tristate Heat with Modulating Fan.

Cooling: On an increase in space temperature the controller modulates the fan speed to increase the flow of cool air. On an increase in space temperature greater than the cooling proportional band the fan speed is maintained at its pre-selected maximum setting.

Heating: On a decrease in space temperature the controller modulates the heating valve to increase the heat proportionally to the room demand. The fan speed is modulated to increase the flow of warm air. On an increase in space temperature greater than the heating proportional band the fan speed is maintained at its pre-selected maximum setting.

Calibration note: Suitable min and max heating flows must be selected in order to maintain flow through energized electric coils of at least 200 fpm and at least 70 cfm/kW throughout the entire operating range.

PROJECT:		PRICE [®]	
ENGINEER:		BE MB	
CUSTOMER:		249560	
SUBMITTAL DATE:	SPEC. SYMBOL:	2017/08/18	
		UNDERFLOOR UMCB CONTROLS MODULATING FAN CLG & HTG TRI-STATE REHEAT ECM MOTOR	

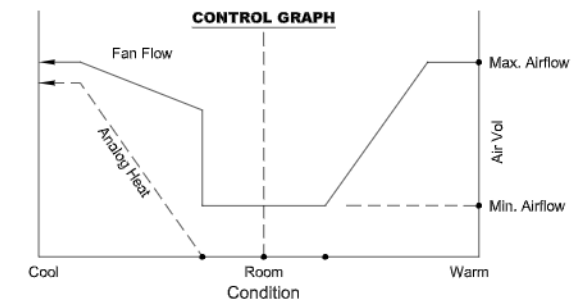


LEGEND

--- PRICE NETC35 (RJ-45) - PLENUM CABLE - FIELD WIRED

— FACTORY ELECTRICAL WIRING

- - - FIELD ELECTRICAL WIRING



Sequence of Operation -- Cooling with Modulating Fan; Analog Heat with Modulating Fan.

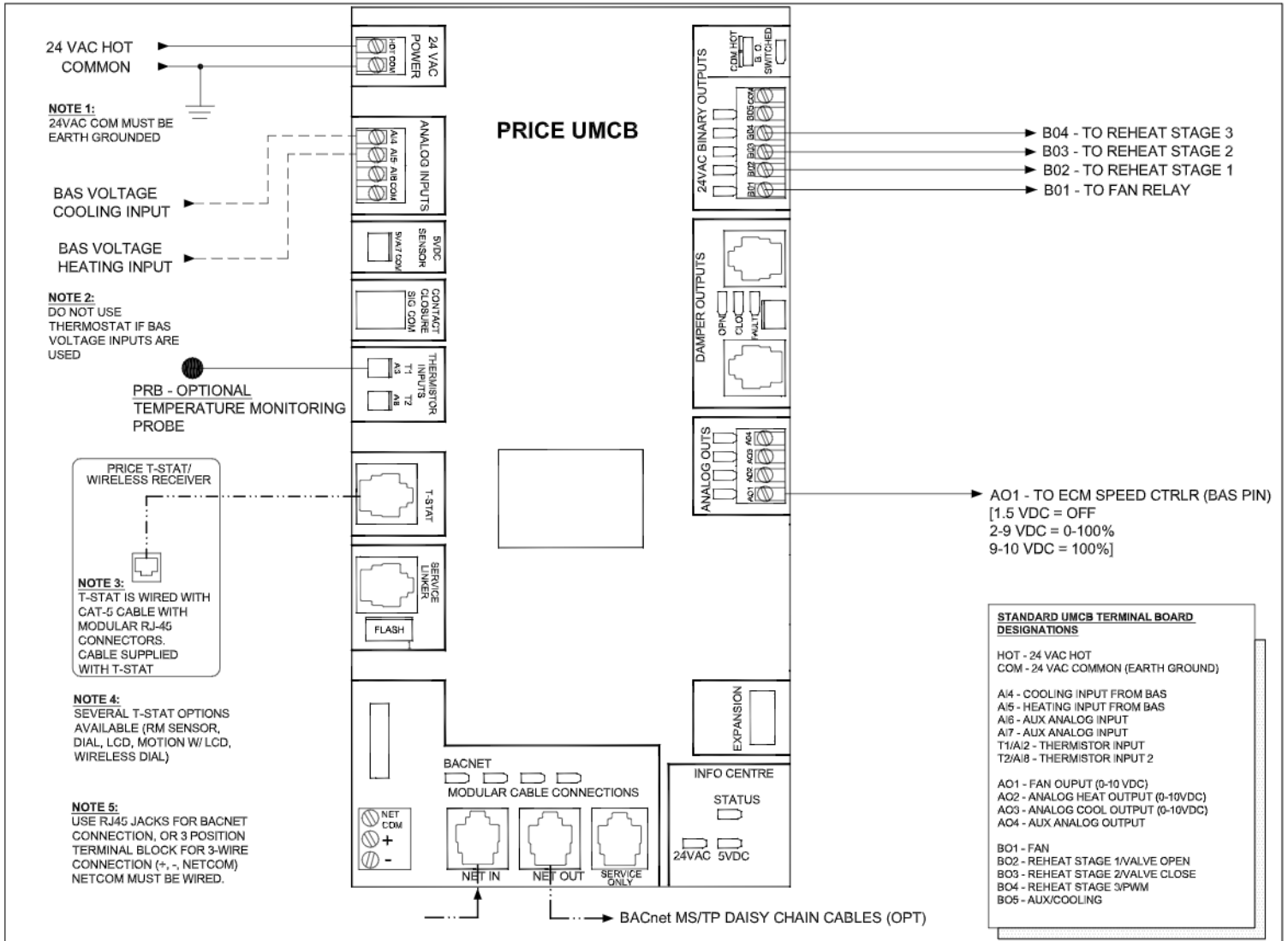
Cooling: On an increase in space temperature the controller modulates the fan speed to increase the flow of cool air. On an increase in space temperature greater than the cooling proportional band the fan speed is maintained at its pre-selected maximum setting.

Heating: On a decrease in space temperature the controller modulates the fan speed to the minimum heating flow. The analog heat output is modulated to increase the heat proportionally to the room demand while the fan speed is modulated to increase the flow of warm air. On an increase in space temperature greater than the heating proportional band the fan speed and analog heat output are maintained at their pre-selected maximum settings.

Note: B01 Fan output will energize prior to the heating outputs, allowing the fan to engage before the heat is enabled.

Calibration note: Suitable min and max heating flows must be selected in order to maintain flow through energized electric coils of at least 200 fpm and at least 70 cfm/kW throughout the entire operating range.

PROJECT:		PRICE [®]	
ENGINEER:			
CUSTOMER:		249561	UNDERFLOOR UMCB CONTROLS MODULATING FAN CLG & HTG ANALOG REHEAT ECM MOTOR
SUBMITTAL DATE:	SPEC. SYMBOL:	2018/03/01	



LEGEND

--- PRICE NETC35 (RJ-45) - PLENUM CABLE - FIELD WIRED

--- FACTORY ELECTRICAL WIRING

--- FIELD ELECTRICAL WIRING

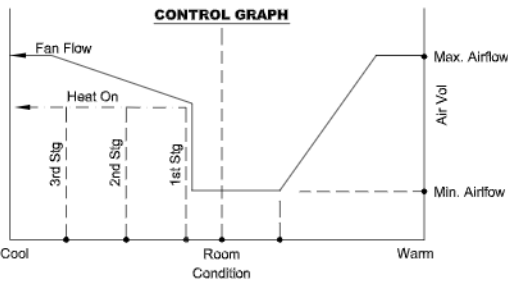
Sequence of Operation -- Cooling with Modulating Fan; up to 3 stages of Electric Heat with Modulating Fan

Cooling: On an increase in space temperature the controller modulates the fan speed to increase the flow of cool air. On an increase in space temperature greater than the cooling proportional band the fan speed is maintained at its pre-selected maximum setting.

Heating: On a decrease in space temperature the controller modulates the fan speed to the minimum heating flow. The stages of reheat are then energized sequentially and proportional to the room demand, while the fan speed is modulated to increase the flow of warm air. On an increase in space temperature greater than the heating proportional band all three stages of heat (if used) remain energized, and the fan speed is maintained at its pre-selected maximum setting.

Note: BO1 Fan output will energize prior to the heating outputs, allowing the fan to engage before the heat is enabled.

Calibration note: Suitable min and max heating flows must be selected in order to maintain flow through energized electric coils of at least 200 fpm and at least 70 cfm/kW throughout the entire operating range.



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

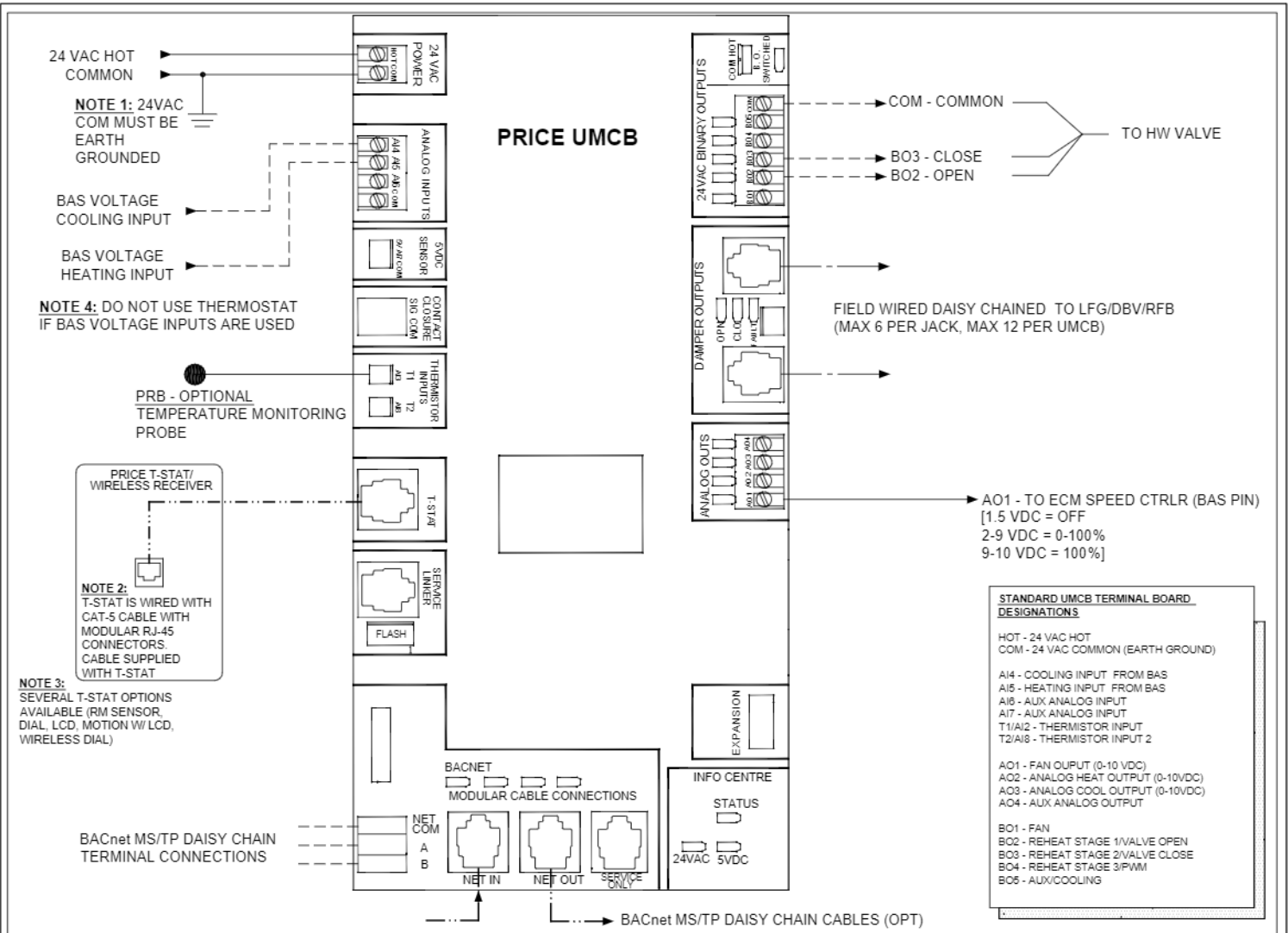
PRICE[®]

**UNDERFLOOR
UMCB CONTROLS**

MODULATING FAN CLG & HTG
1-3 STAGES BINARY REHEAT
ECM MOTOR

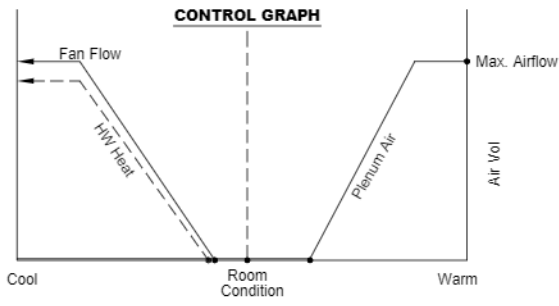
249562

2018/03/05



LEGEND

- PRICE SUPPLIED C25 (RJ-12) - PLENUM CABLE - FIELD WIRED
- PRICE NETC35 (RJ-45) - PLENUM CABLE - FIELD WIRED
- FACTORY ELECTRICAL WIRING
- FIELD ELECTRICAL WIRING



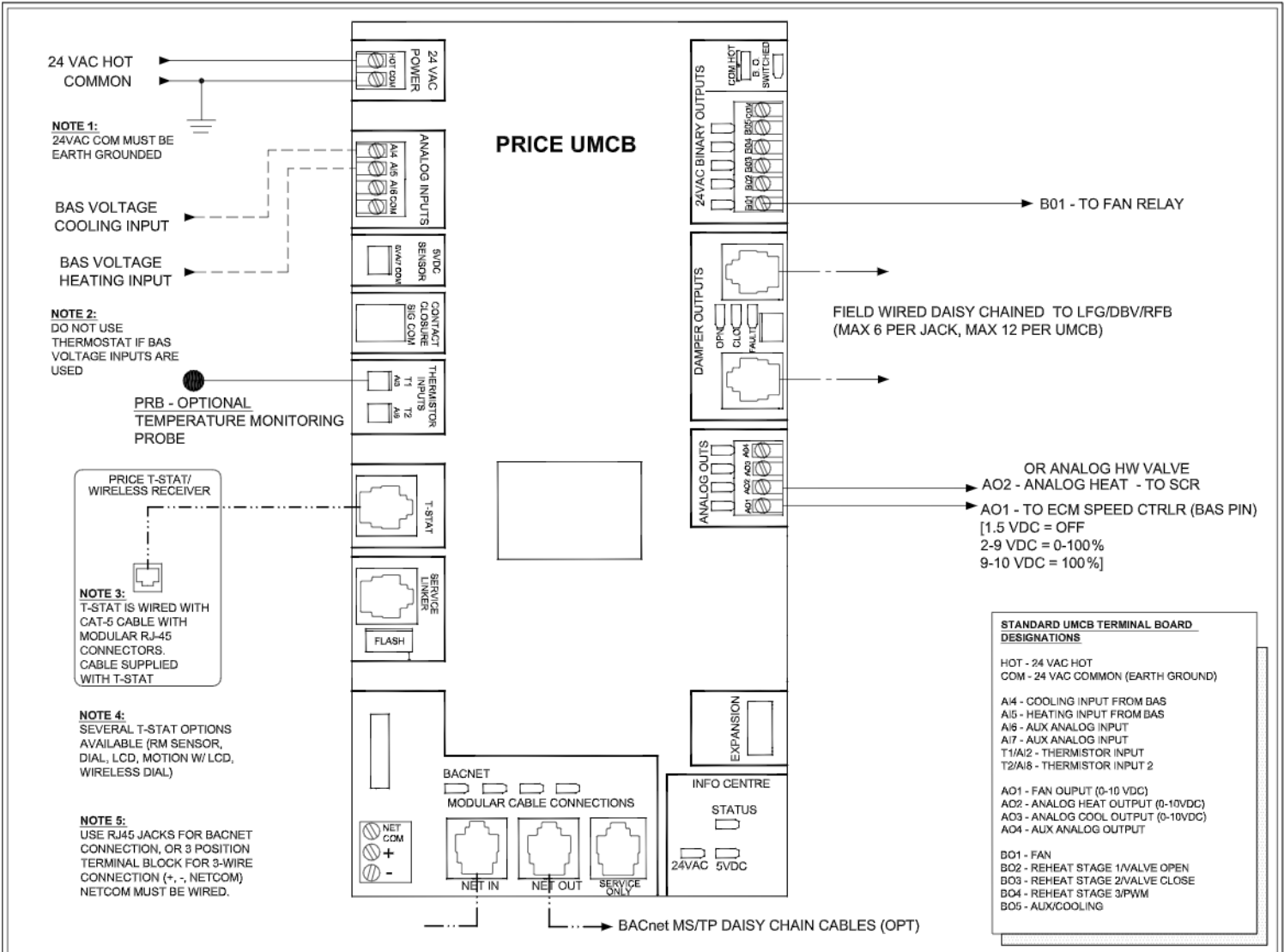
Sequence of Operation -- Plenum Cooling; Tristate Heat with Modulating Fan.
On power up the damper will calibrate open to the plenum for 2 minutes.

Cooling: On an increase in space temperature, the controller regulates the VAV floor diffuser actuators to increase the flow of cool plenum air. On an increase of space temperature greater than the cooling proportional band, the floor diffusers are maintained at their pre-selected maximum setting.

Heating: On a decrease in space temperature, the controller regulates the VAV floor diffuser actuators closed to the plenum. The controller modulates the heating valve to increase the heat proportionally to the room demand while the fan is modulated to increase the flow of warm air. On an increase in space temperature greater than the heating proportional band, the fan speed is maintained at its pre-selected maximum setting.

Calibration note: Suitable min and max heating flows must be selected in order to maintain flow through energized electric coils of at least 200 fpm and at least 70 cfm/kW throughout the entire operating range.

PROJECT:		 UNDER FLOOR UMCB CONTROLS VAV Plenum CLG Modulating Fan on Reheat Tristate Reheat ECM Motor
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:	SPEC. SYMBOL:	
		 249563 2009/02/25



LEGEND

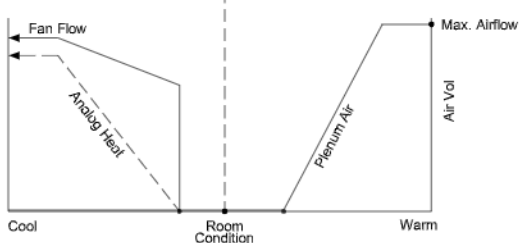
--- PRICE SUPPLIED C25 (RJ-12) - PLENUM CABLE - FIELD WIRED

- - - - PRICE NETC35 (RJ-45) - PLENUM CABLE - FIELD WIRED

_____ FACTORY ELECTRICAL WIRING

- - - - - FIELD ELECTRICAL WIRING

CONTROL GRAPH



Sequence of Operation -- Plenum Cooling; Analog Heat with Modulating Fan
On power up the damper will calibrate open to the plenum for 2 minutes.

Cooling: On an increase in space temperature, the controller regulates the VAV floor diffuser actuators to increase the flow of cool plenum air. On an increase of space temperature greater than the cooling proportional band, the floor diffusers are maintained at their pre-selected maximum setting.

Heating: On a decrease in space temperature, the controller regulates the VAV floor diffuser actuators closed to the plenum, and the fan speed to the minimum heating flow. The analog heat output is modulated to increase the heat proportionally to the room demand while the fan speed is modulated to increase the flow of warm air. On an increase in space temperature greater than the heating proportional band, the fan speed and the analog heat output are maintained at their pre-selected maximum settings.

Note: B01 Fan output will energize prior to the heating outputs, allowing the fan to engage before the heat is enabled.

Calibration note: Suitable min and max heating flows must be selected in order to maintain flow through energized electric coils of at least 200 fpm and at least 70 cfm/kW throughout the entire operating range.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

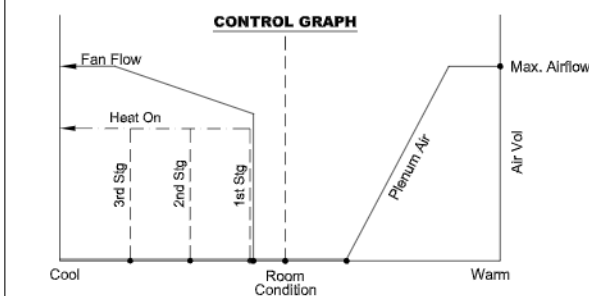
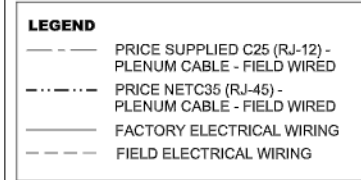
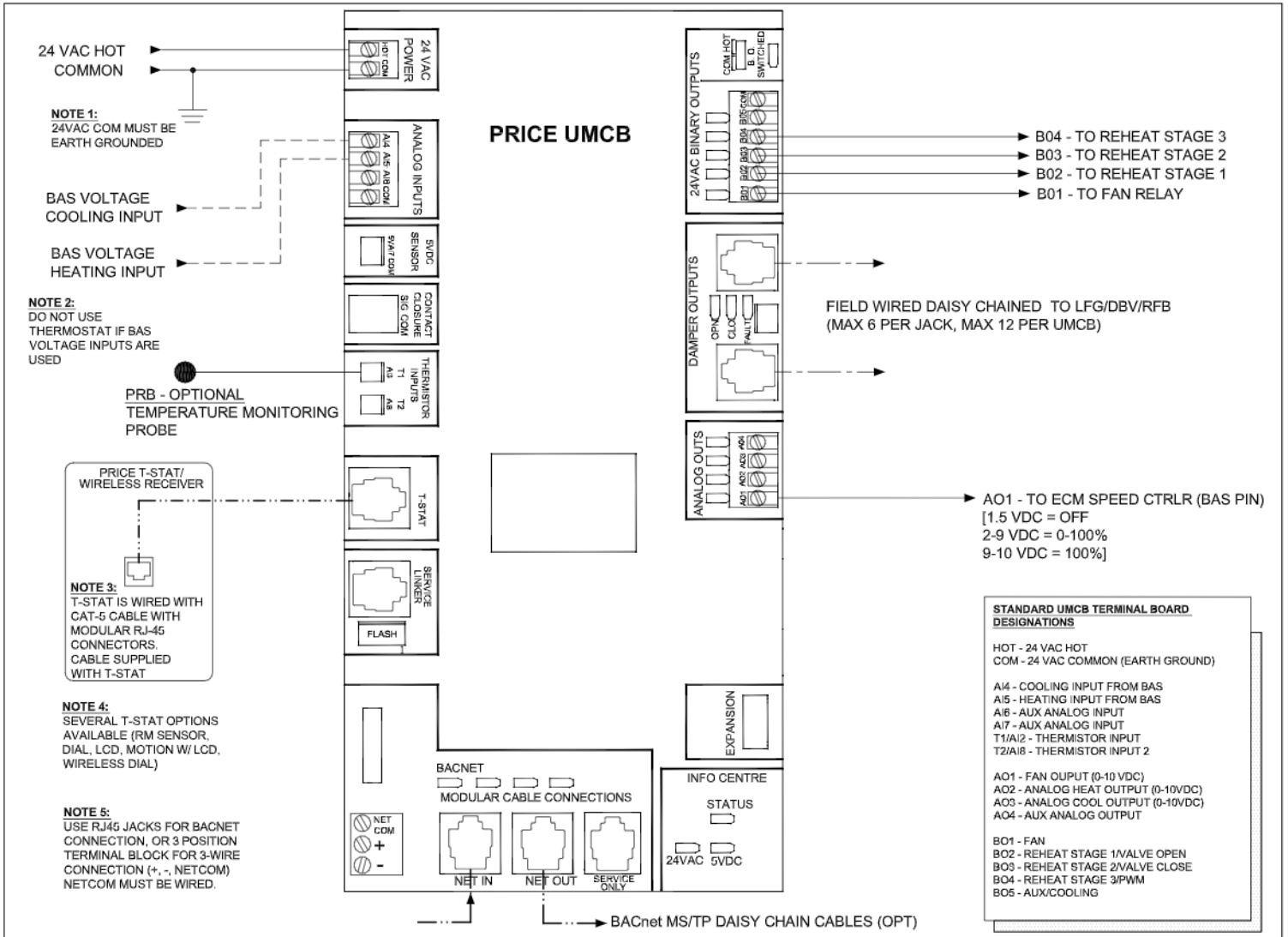
PRICE[®]

**UNDERFLOOR
UMCB CONTROLS**

VAV PLENUM CLG
MODULATING FAN ON REHEAT
ANALOG REHEAT
ECM Motors

249564

2017/08/18



Sequence of Operation -- Plenum Cooling; up to 3 Stage Electric Heat with Modulating Fan
On power up the damper will calibrate open to the plenum for 2 minutes.

Cooling: On an increase in space temperature, the controller regulates the VAV floor diffuser actuators to increase the flow of cool plenum air. On an increase of space temperature greater than the cooling proportional band, the floor diffusers are maintained at their pre-selected maximum setting.

Heating: On a decrease in space temperature, the controller regulates the VAV floor diffuser actuators closed to the plenum, and the fan speed to the minimum heating flow. The stages of reheat are then energized sequentially and proportional to the room demand, while the fan speed is modulated to increase the flow of warm air. On an increase in space temperature greater than the heating proportional band all three stages of heat (if used) remain energized, and the fan speed is maintained at its pre-selected maximum setting.

Note: B01 Fan output will energize prior to the heating outputs, allowing the fan to engage before the heat is enabled.

Calibration note: Suitable min and max heating flows must be selected in order to maintain flow through energized electric coils of at least 200 fpm and at least 70 cfm/kW throughout the entire operating range.

PROJECT:		PRICE [®]	
ENGINEER:		BE MB	
CUSTOMER:		249565	
SUBMITTAL DATE:	SPEC. SYMBOL:	2018/03/05	
		UNDERFLOOR UMCB CONTROLS VAV PLENUM CLG MODULATING FAN ON REHEAT 1-3 STAGES OF BINARY REHEAT ECM Motor	