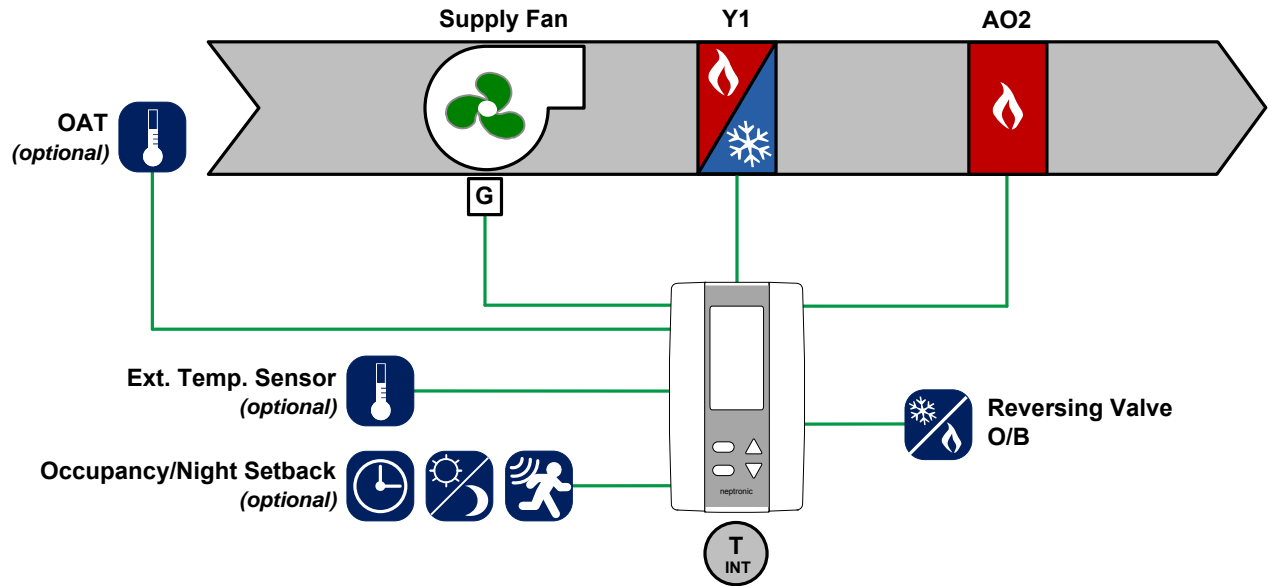
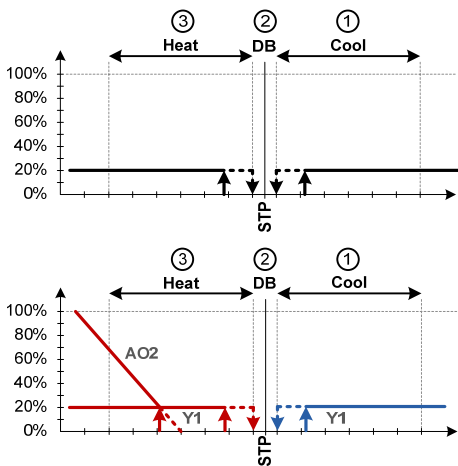




Application



Sequence of Operation



- ① When the zone is calling for cool, the reversing valve (O) and the fan (G) are energized. Compressor #1 (Y1) is energized to maintain zone setpoint.
- ② When the zone is in the dead band mode, the heat pump is off.
- ③ When the zone is calling for heat, the reversing valve (O) is de-energized and fan (G) is energized. Compressor #1 (Y1) is energized to maintain zone setpoint. As temperature drops further, the reheat (AO2) modulates to maintain zone temperature.

Programming

Object	Configuration Name	Default Setting	Configuration
BV.95	Heat Pump Option	Off	On
BV.98	EMH Output	Disabled	Enabled
MSV.57	Analog Output 2 Ramp	HR1	HR2
AV.103	AO2 Minimum Voltage	0 Volts	0 or 2 Volts

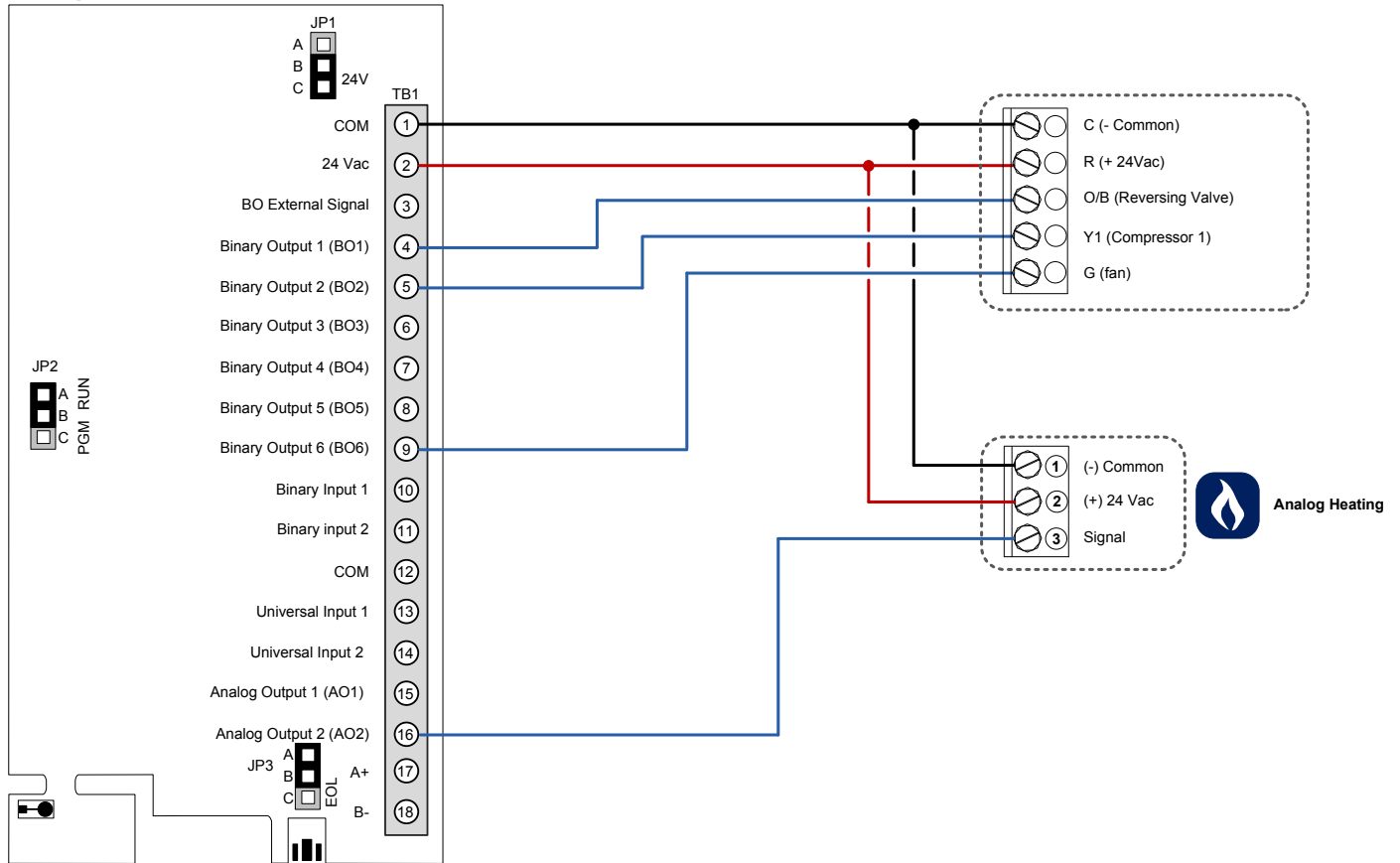
Object	Configuration Name	Default Setting	Configuration
MSV.25	Fan Speed Signal	3 Speed Fan	1 Speed
AV.120	BO2 Close Percentage	25%	20%
AV.26	Heat Ramp 2 Dead Band	0.3°C (0.6°F)	1.4°C (2.8°F)

Notes

- For cooling only application, set "MSV.20 Temp Control Mode" to "Cool". From the thermostat press to change modes.
- When the controller is set in EMH mode;
 - o The compressors are disabled (Y1 & Y2).
 - o Heat 1 (W1) becomes the 1st heating stage and takes the configuration settings of Y1.
 - o Heat 2 (W2) configuration settings do not change.
- If reversing valve requires to be energized while in heating, set "BV.95 Reversing Valve O/B" to "B".
- For continuous fan operation, set "BV.20 Fan Auto Mode" to "No".



Wiring



Point Configuration

Output	Configuration
Binary Output 1	Reversing Valve (O)
Binary Output 2	Compressor 1 (Y1)
Binary Output 3	Not Used
Binary Output 4	Not Used

Output	Configuration
Binary Output 5	Not Used
Binary Output 6	Fan
Analog Output 1	Off
Analog Output 2	Modulating EMH

Output	Configuration
Binary Input 1	Occupancy
Binary Output 2	Night Setback
Analog Input 1	Off
Analog Input 2	Off