Air or Water Sourced Heatpumps

Inputs

	PL-C1000-HP	PL-C1000-HPS	PL-M2000-HP	PL-M2000-HPS
Master / Follower logic *(see note 1)*	**Master**	**Follower**	**Master**	**Follower**
Supply Air Temperature (10K Type III)	✓	✓	✓	✓
Return Air Temperature (10K Type III)	✓	✓	✓	✓
Filter Status (Dry Contact)				
Schedule Override (Dry Contact)			Choose 1	Choose 1
Water Intake Temperature (10K Type III)	Choose 1 / Choose 1	Choose 1	Choose 1	Choose 1
Outside Air Temperature (10K Type III)	Choose 1	Choose 1		
Alarm Input (Dry Contact)			Optional	Optional
Proof of Fan (Dry Contact)	Choose 1	Choose 1	✓	✓
Occupancy Input (Dry Contact)				
CO₂ Sensor (4-20mA)			✓	✓
Static Pressure Transducer (0-5 VDC)			✓	✓
Room Temperature Sensor		Digital Room Sensor	10K Type III Thermistor	Digital Room Sensor or 10 K Therm.
Room Temperature Setpoint		Digital Room Sensor	0-10K Potentiometer	Digital Room Sensor or 10 K Pot.

Outputs

		PL-C1000-HP		PL-C1000-HPS		PL-M2000-HP	PL-M2000-HPS
# Heatpump Compressor Stages		1 Compressor	2 Compressors	1 Compressor	2 Compressors	1 or 2 Compressors	1 or 2 Compressors
DO	Fan	✓	✓	✓	✓	✓	✓
	Compressor 1 (Y1)	✓	✓	✓	✓	✓	✓
	Compressor 2 (Y2)		✓		✓	✓	✓
	Reversing Valve (B)	✓	✓	✓	✓	✓	✓
	Auxiliary Staged Heat (W)	✓		✓		✓	✓
AO	Auxiliary Staged/Mod. Heat (W)	Choose 1	✓	Choose 1	✓	✓	✓
	Fresh Air Damper (Economizer)					✓	✓
	Static Pressure (VFD/Bypass Damper)					✓	✓

Local Scheduling *(see note 2)*	Occupancy Input	Internal Clock, Schedule and Calendar

Notes:

1. A Master can have Followers beneath it; a Follower is a single zone/space.

2. Scheduling can be configured either locally or through the RS485 network with the NC2000 Network Controller.