

Comfort Controller 1600 (Outdoor Duty Rated)

The Comfort Controller 1600 is a microcontroller-based module that provides general purpose HVAC control and monitoring capability in a stand-alone or network environment using closed-loop, direct digital control. The 1600 gives the Carrier Comfort Network (CCN) the capability to control and communicate with non-Carrier equipment and Carrier HVAC equipment not equipped with Product Integrated Controls (PIC) controls.

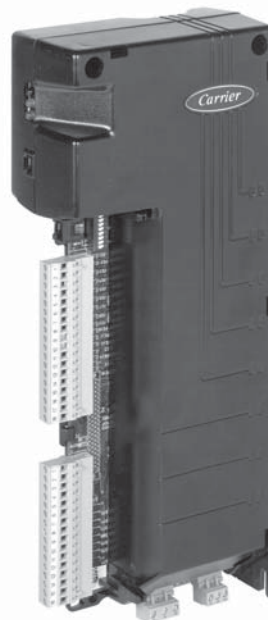
You can connect 16 field points (8 inputs and 8 outputs) to this controller.

FEATURES

- Stand-alone control and monitoring of up to 16 field points, using proven algorithms.
- Compatibility with all standard CCN user interfaces.
- Two LEDs, conveniently located on the front of the module, indicate processor status (red), and CCN Communication Bus status (yellow).
- Entire database at your disposal. Based on your application's requirements, you determine how many and which algorithms, inputs/outputs, schedules, alarms, and system functions to include in the database. Therefore, the database will only consist of the items that are necessary for the application — valuable memory space is not wasted.
- Ability to display the amount of available database space.
- Ability to add items to database as necessary.
- Local connection for LID and CCN.
- Total facilities management when linked to a CCN.
- Two-day backup of clock and data such as Data Collection and Runtime.
- No need for batteries.

FUNCTIONS

Cooling and Heating Control
 Space Temperature Comfort Zone
 Humidification and Dehumidification
 Mixed Air Damper Optimization
 VAV Fan Control
 VAV Supply and Return Fan Tracking
 Indoor Air Quality
 Generic PID Control
 Time Scheduling with/without Override



8 INPUTS	
Numbers	Specifications
1 to 4	Discrete or analog (0-10 Vdc)
5 & 6	Temperature
7 & 8	Discrete, analog, or temperature
	Discrete
	Dry contact
	Pulsed dry contact
	Analog
	4-20 mA
	0-10 Vdc
	Temperature
	5K & 10K ohm thermistors
	1K ohm nickel RTD
8 OUTPUTS	
Numbers	Specifications
1 to 4	Discrete
5 & 6	Analog
7 & 8	Discrete or analog
	Discrete
	24 Vdc@80 mA
	Analog
	4-20 mA
	0-11 Vdc (varies with point type)

