

Fan Commander® Touch Screen Control Station

Control up to 18 Rite-Hite HVLS fans from a single location.



Control

- » Single location control of up to 18 Rite-Hite HVLS Fans within one facility
- » Three zones allow user to control fan speeds and usage simultaneously or independently
- » Password protection prevents unauthorized adjustment of settings
- » Schedule fans to operate only when needed to save energy
- » Control fan operation based on temperature within a facility
- » View individual fan settings (On/Off + Speed)
- » Troubleshoot all fans from a single location

System Integration

- » Optional I/O Module allows integration to automation system
- » Optional modbus port for easy interface with network computers, tablets, smart phones or building management systems
- » Internal battery retains custom settings in the event of a power failure



Installation

- » Standard control boxes may be mounted up higher on walls or columns to minimize costly wiring and to avoid damage in high traffic areas
- » RJ-45 plugs used to wire the network without special tools

Specifications/Survey

Date _____

Company Name _____

Address _____

City _____

State _____ Zip Code _____

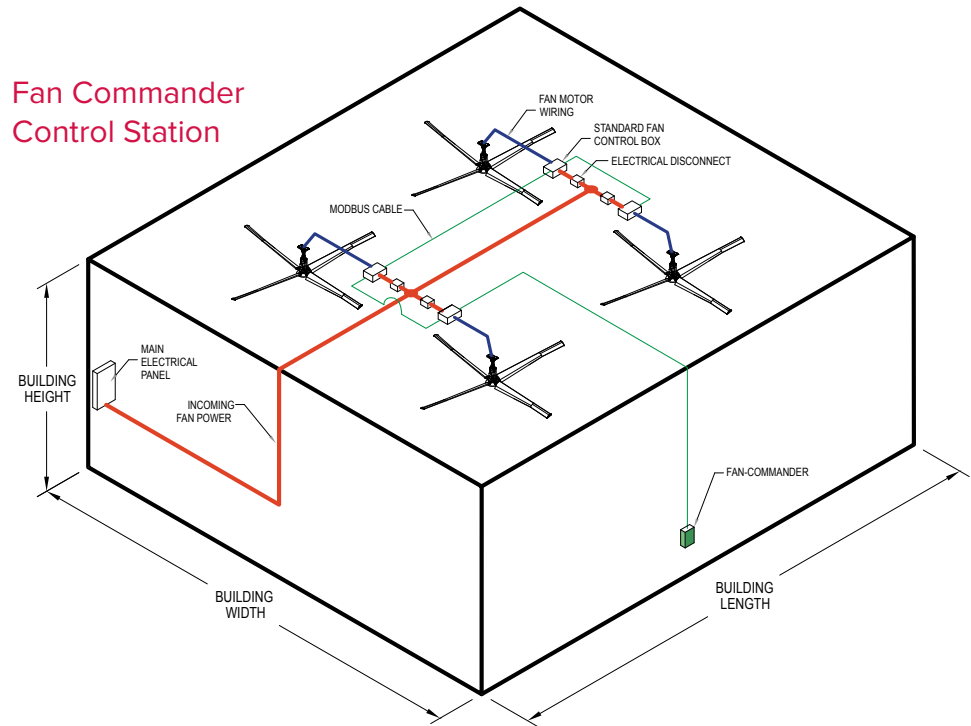
Representative _____

Salesperson _____

Quantity: _____ Signature: _____

1. Total Quantity of Fans on Fan Commander Network
(Determines the quantity of RJ-45 Plugs required for field wiring.)
Fans: _____ (1-18 fans)
2. Ethernet Option
(Includes Software for Network PC Control)
No
Yes
3. Input / Output Module Option
No
Yes
4. Zone 1 Environmental Sensor
(Limit one sensor per each of 3 zones)
No Zone Sensor
Temperature Control Sensor
Humidity Control Sensor
5. Zone 2 Environmental Sensor
(Limit one sensor per each of 3 zones)
No Zone Sensor
Temperature Control Sensor
Humidity Control Sensor
6. Zone 3 Environmental Sensor
(Limit one sensor per each of 3 zones):
No Zone Sensor
Temperature Control Sensor
Humidity Control Sensor
7. Modbus EIA RS-485 Cable
(Belden 9841, General Cable C4841A, or Equivalent Required. No substitutions allowed)
None (By Others)
1000 Ft - 1 Roll Modbus Cable
2000 Ft - 2 Rolls Modbus Cable
3000 Ft - 3 Rolls Modbus Cable
4000 Ft - 4 Rolls Modbus Cable

Fan Commander Control Station



NFPA Update

The National Fire Protection Agency has updated the 2013 Edition of the NFPA 13: Standard for the Installation of Sprinkler Systems.

The Standard now includes specific installation requirements for HVLS fans. The update applies to all manufactures of HVLS fans.

The new application information is listed in Chapter 11 (11.1.7), which covers Design Approaches, and Chapter 12 (12.1.4), which covers General Requirements for Storage. The text is identical in both chapters and is written below for your convenience.

High Volume Low Speed (HVLS) Fans. The installation of HVLS fans in buildings equipped with sprinklers, including ESFR sprinklers, shall comply with the following:

1. The Maximum fan diameter shall be 24'
2. The HVLS fan shall be centered approximately between four adjacent sprinklers
3. The vertical clearance from the HVLS fan to sprinkler deflector shall be a minimum of 3'
4. All HVLS fans shall be interlocked to shut down immediately upon receiving a water flow signal from the alarm system in accordance with the requirements of NFPA 72

All Rite-Hite fans ship standard with the ability to receive a low voltage stop command from the alarm system.



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