

1. Communication

The Falcon FMS comes from the factory with a default IP address of 10.0.0.189 and a default Subnet Mask of 255.255.255.0. Depending on the user's network configuration the FMS may not communicate over a user's network initially. The default address must be changed to an IP address that corresponds with the user's network before the FMS can communicate over the network.

2. Set The FMS IP Address

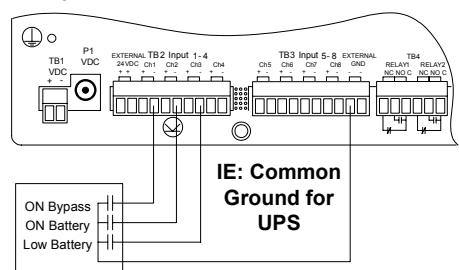
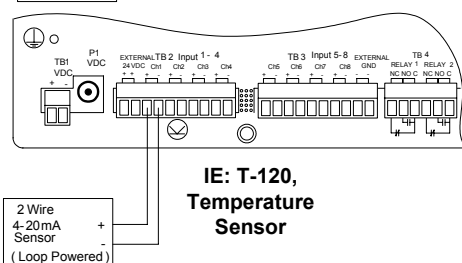
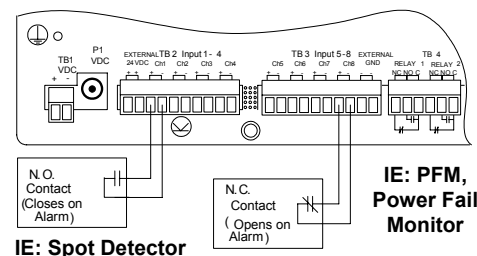
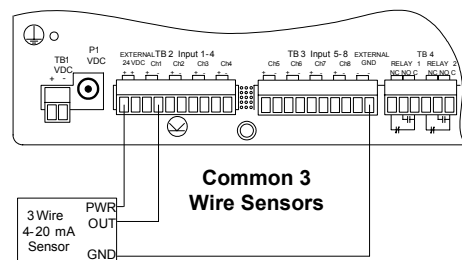
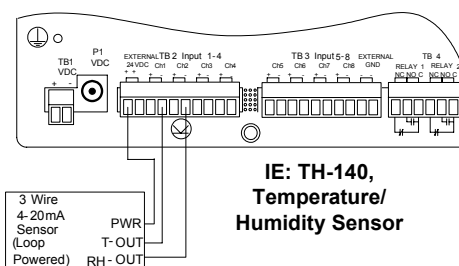
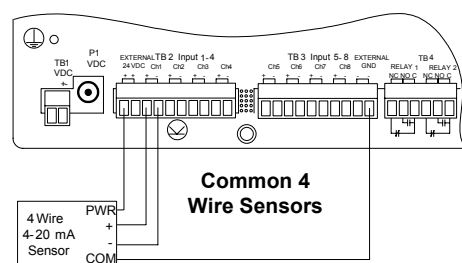
There are two ways to set the IP address: via the Web browser or via the RS232 interface. To set the IP address using the RS232 interface, see the FMS User Guide (available at www.rletech.com). To set the IP address using a web browser, first plug the crossover network cable (blue with yellow ends) that shipped with the FMS unit into the laptop or workstation that will be used to configure the FMS. This cable is not intended to be connected to a network hub. Write down the computer's IP address and Subnet Mask. Then change the IP address and Subnet Mask of the computer from its existing address to one that will allow it to communicate with the FMS, such as 10.0.0.188. Consult your IT Department before attempting this.

Connect the other end of the crossover network cable to the Ethernet port on the back of the FMS. Access the FMS through a Web browser by typing the FMS' default IP address (10.0.0.189) into the location bar. Enter the FMS user name when prompted (Default Username: Falcon, Default password is blank). Select the Configuration Menu link, then select the System link. Select the IP Configuration Menu link and change the IP address to one provided by the network administrator. Press the Submit Changes button. The FMS will save the new IP address and reboot.

Once the FMS reboots, the system status LED on front of the FMS stops flashing. You must now use the new FMS IP address and reset the computer to its original IP address and Subnet Mask. This may require assistance from your IT Department. The computer and the FMS are now both configured to communicate on the network. Connect the PC and the FMS to the network. From the PC Web browser, type in the IP address of the FMS. Enter the user name and password as stated above to verify network access to the FMS.

3. Universal Input Connections

The eight non-isolated universal inputs are connected to TB2 and TB3. Universal input channels can be individually configured, through the FMS, to monitor a 4-20mA signal, a Normally Open (NO) dry contact, or a Normally Closed (NC) dry contact. See examples below of typical sensor wiring.



4. Input Configuration

Input can be;
Analog 4-20 mA
Digital NO or NC

Applies only to analog inputs. Gain and offset determine the Correct values for the FMS to calculate.

Applies only to analog inputs. Hysteresis designates the amount an input must sway before returning to normal.

Applies only to analog inputs. Displays units on main menu such as; Deg F, Deg C, %RH, Amps, Volts, psi, etc...

FMS current raw reading and calculated value.

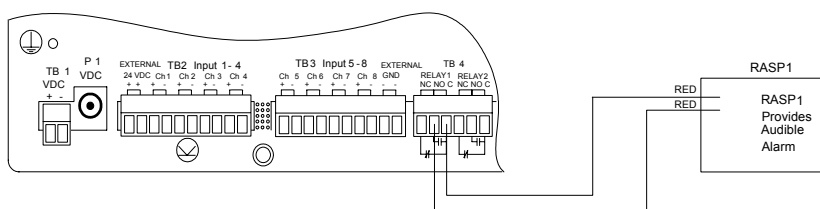
Applies only to Analog inputs. High and Low alarm thresholds of range being monitored.

This label is displayed on the FMS menu and the configuration menu.

Relay configuration link

5. Relay Connections

Relay outputs may be used to unlatch doors, signal annunciators, signal web cameras, and to turn on auxiliary equipment such as exhaust fans. Relay outputs are Form C (SPDT). Relays may be configured, through the FMS, for Normally Open (NO - unsupervised or normally de-energized), or Normally Closed (NC - supervised or normally energized) operation. See example below.



6. Relay Configuration

Normally open or normally closed relays

Used for relay identification

Displays the alarm IDs of the inputs specified through the Relay Configuration link

Allows a user to turn on a relay

Allows a user to turn off a relay

Configures a relay to be controlled through a keypad

Adds a button to the Relay Control page allowing users to turn on or off a relay

Allows up to 4 alarm IDs to be specified for the AND Gate function input of the Relay Control Logic



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