

1 Installation

The F3400/F1000 comes in a 19 inch (.48m) rack mount enclosure. Install the F3400/F1000 in the rack. Use the proper anchoring method to mount the unit securely.

2 Power Supply and Ground Connections

Connect an 18AWG ground wire from the ground terminal to a suitable earth ground. Plug the wall adapter into P1 and a UPS outlet. The wall adapter has a 5 foot (1.524m) power cord. RLE recommends powering the F3400/F1000 from a UPS supply to allow the F3400/F1000 to send alarm notification during a power outage.

3 Communication

The F3400/F1000 comes from the factory with a default IP address of 10.0.0.186 and a default Subnet Mask of 255.255.255.0. Depending on the user's network configuration the F3400/F1000 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 Falcon can communicate over the network.

3.1 Set the F3400/F1000 IP Address

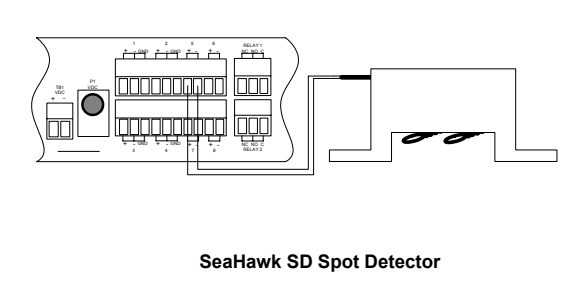
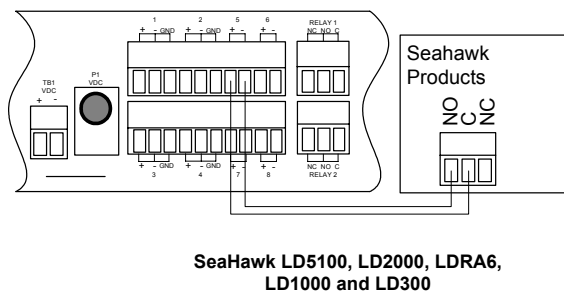
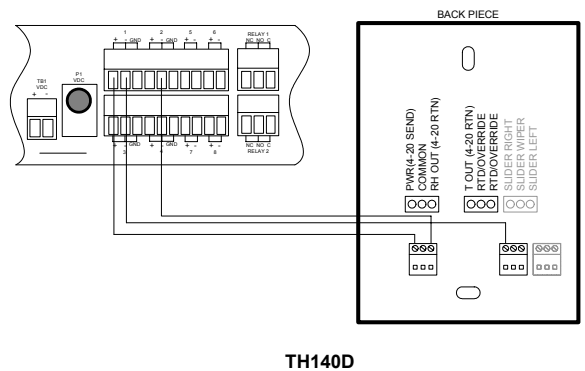
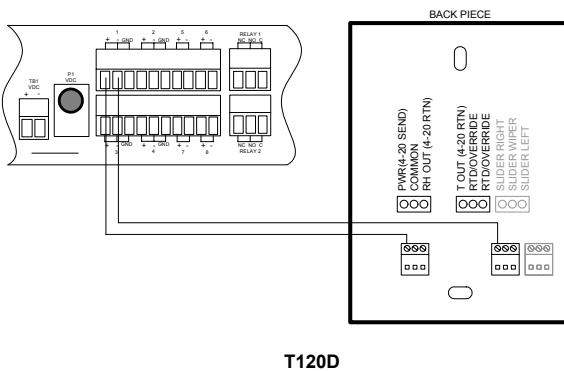
There are two ways to set the F3400/F1000 IP address: via the Web browser or via the RS232 interface. To set the F3400/F1000 IP address using the RS232 interface, see the F3400/F1000 User Guide (available on the F-Series webpage at www.rletech.com). To set the IP address using a web browser, first plug the crossover network cable (blue with yellow ends) that shipped with the F3400/F1000 into the laptop or workstation that will be used to configure the unit. 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 F3400/F1000, 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 F3400/F1000. Access the unit through a Web browser by typing the default IP address (10.0.0.186) into the location bar. Enter the F3400/F1000 user name when prompted (Default Username: Falcon, Default password is blank). Select the Configuration Menu link, then select the Internet Protocol link and change the IP address to one provided by the network administrator. Press the Submit Changes button. The F3400/F1000 will save the new IP address and reboot.

Once the F3400/F1000 reboots, the system status LED on front of the F3400/F1000 stops flashing. You must now use the new F3400/F1000 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 F3400/F1000 are now both configured to communicate on the network. Connect the PC and the F3400/F1000 to the network. From the PC Web browser, type in the IP address of the F3400/F1000. Enter the user name and password as stated above to verify network access to the F3400/F1000.

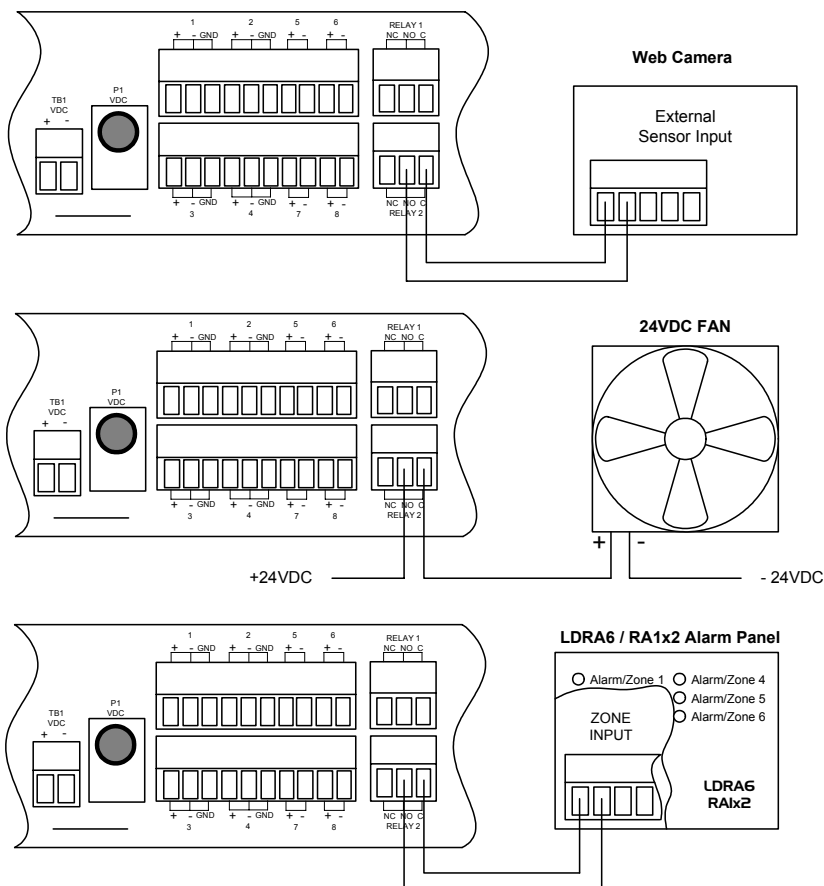
4 Universal Input Connections

The four non-isolated universal inputs are available on channels 1,2,3, and 4. Universal input channels can be individually configured, through the F3400/F1000, 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.



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 F3400/F1000, for Normally Open (NO) or Normally Closed (NC). See example below.



6 Input Configuration

Configuration Home

Input: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Configuration Input #1:

Select type of Input (4-20mA, Digital NO, Digital NC) → Select Input type: **ANALOG 4-20 MA**

Gain and Offset (Use Calculator Link to determine calibration to 4-20mA signal input) → Gain: 11 Offset: 40

Unit of Measure → Unit of Measure: **F**

Give the input a Unit of Measure → Alarm Delay: 0 Seconds

Give the input a label to display for Alarm Conditions and Normal Conditions → Alarm Label: **T120 Temperature**

Select your desired notification outputs → Alarm Label: **T120 Temperature**

Relay Activate: ☐ K1 Fan Switch 1 ☐ K2 Fan Switch 2

Dial Out Notification: ☐ Phone #1 ☐ Phone #2 ☐ Phone #3 ☐ Phone #4

Email Recipient Notification: ☐ 1 falconMonitoring@yahoo.com ☐ 2 ☐ 3 ☐ 4

Alarm Disable by Schedule: ☒ None ☐ A ☐ B

BACnet Instance: 701 BACnet Units: 0

Input Reading: 15.203 mA Calculated Value: 81

High Limit2: 90 High Limit1: 85 Low Limit1: 65 Low Limit2: 60

Set the Analog (4-20mA) sensor's high and low limits



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