



FieldServer ENOTE

Configuring a FS-B35 FieldServer for Hot Standby Mode

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T18003

1 HARWARE SETUP

- Connect the N2 ports of the FS-B35 FieldServer to a switch with an ethernet cable.

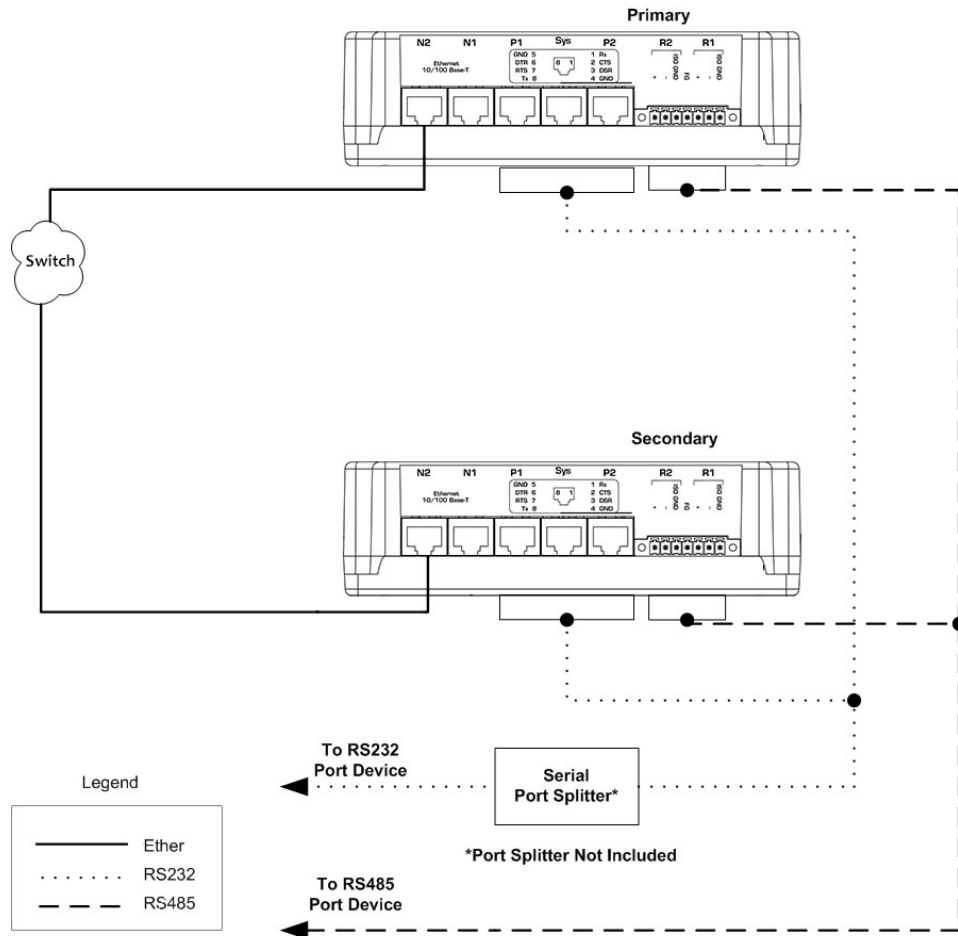
If using RS-485 communication:

- Daisy chain the R1 ports together. Then, connect to RS-485 bus.
- Daisy chain the R2 ports together. Then, connect to RS-485 bus.

If using RS-232 communication:

- Connect the P1 together using a serial port splitter. Then, connect RS-232 bus to master port of port splitter.
- Connect the P2 together using another serial port splitter. Then, connect RS-232 bus to master port of port splitter.

NOTE: Serial port splitter not included.



2 SOFTWARE SETUP

NOTE: The only files needed are hsb_p.ini and hsb_s.ini. No config.csv file change is required.

- Create hsb_p.ini with the following lines of code:

```

Bridge
HS_Pair_Name , Hot_Standby_Mode , HS_Designation
Bridge1      , Mode1           , Primary
```

```

Connections
Adapter      , Channel_Mode
N1           , Hot_Standby
N2           , Hot_Standby
```

- Create hsb_s.ini with the following lines of code:

```

Bridge
HS_Pair_Name , Hot_Standby_Mode , HS_Designation
Bridge1      , Mode1           , Secondary
```

```

Connections
Adapter      , Channel_Mode
N1           , Hot_Standby
N2           , Hot_Standby
```

- Download the hsb_p.ini file to the FieldServer designated as primary and download hsb_s.ini to the FieldServer designated as secondary. Follow the instructions below to download these files:
 - Enter the IP Address of the FieldServer into a web browser or use the FieldServer Toolbox to find the FieldServer and click the Connect button
 - Click the “Setup” in the Navigation panel and then click “File Transfer”
 - Click the “General” tab
 - Click the “Browse” button and select the .ini file to download
 - Click on “Submit”
 - When the message “Firmware update complete” appears, click on the “System Restart” button
- Restart the FieldServers.
- Verify that the FieldServer designated as primary has its HSB Active LED lit solid green. Additionally, the error screen in FS-GUI can be checked (find this screen under User Messages using the Navigation panel). There will be a line:

System -> Hot Standby (ETH): This Bridge now ACTIVE.

The hot standby configuration can be tested in the following method:

- Disconnect the power from the primary FieldServer.
- Check that the secondary FieldServer’s HSB Active LED is now lit solid green and the error message appears saying the bridge is now ACTIVE.
- To set the primary FieldServer back to active, reconnect the power to the primary FieldServer and disconnect the power to the secondary FieldServer.
- Then verify the status of the primary FieldServer as before.

Technical Support

Thank you for purchasing the FieldServer from Sierra Monitor Corporation.

Please call us for any technical support needs related to the FieldServer product.

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