

FieldServer ENOTE

Configuring a FS-B35 FieldServer for Hot Standby Mode

APPLICABILITY & EFFECTIVITY

Effective for all systems manufactured after January 2021.



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fieldserver

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1 Hardware Setup

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

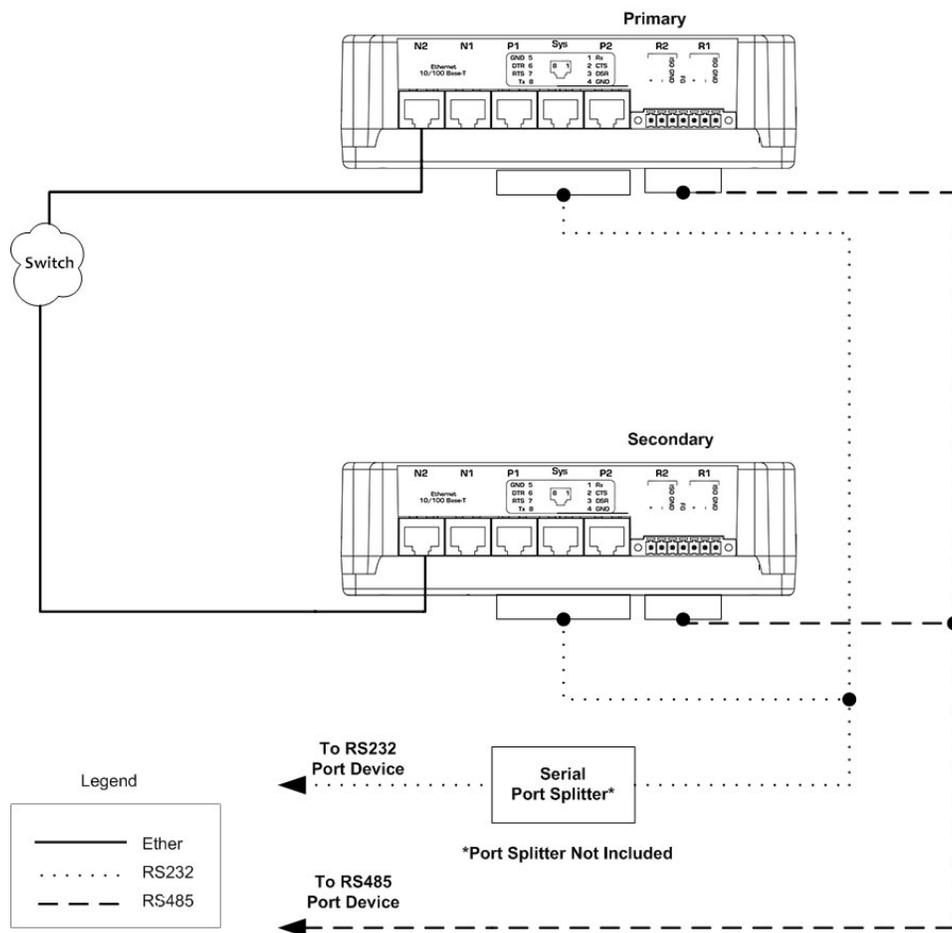
If using RS-485 communication:

- 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.