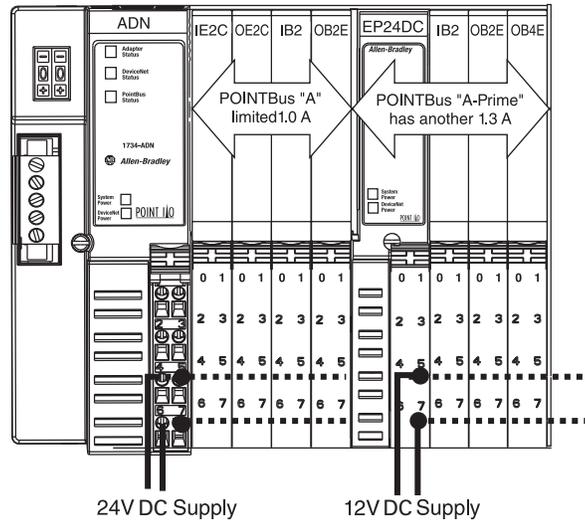
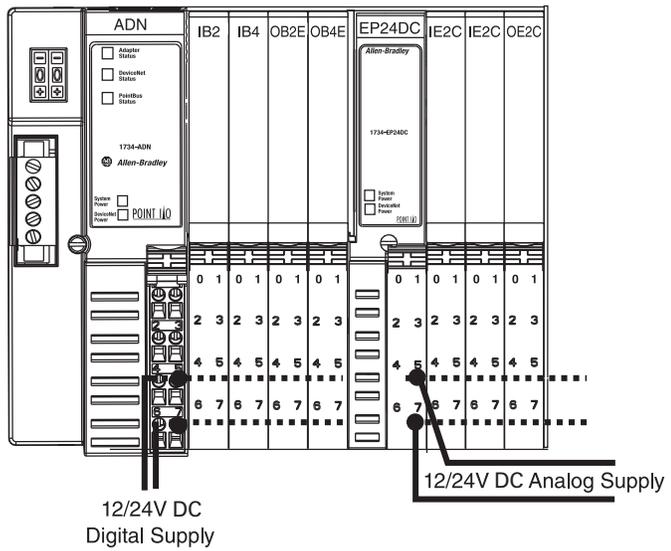


Example of Logical Partitioning



Example of Functional Partitioning



Field Power Distributor

The 1734-FPD breaks the field power distribution at the left of the 1734-FPD from the field power distribution to the right of the 1734-FPD.

You can use the 1734-FPD field power distributor with a broad range of voltage inputs including 5...125V DC and 24...240V AC applications and I/O modules.

- Field-side voltage distribution module
- AC or DC input

- For use with all communication interfaces
- Partitioning (auxiliary power, major motion, or minor motion)
- Starts new voltage distribution point
- No backplane bus power extension (12 modules maximum) when using the 1734-PDN communication interface as it doesn't add power to the POINTBus backplane

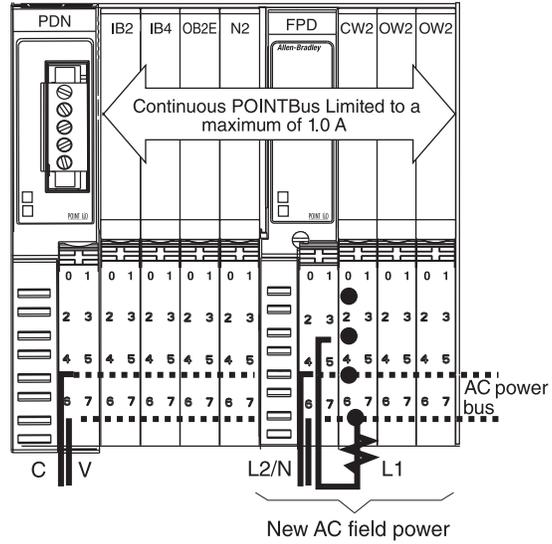
The 1734-FPD field power distributor passes through all POINT I/O backplane signals, but does not provide additional POINTBus backplane power. The field power distributor gives you the ability to change the field power distribution source for I/O modules to the right of the 1734-FPD field power distributor. This facilitates logical or functional partitioning of low-channel count, high I/O-mix applications using any of the communication adapters.

Use the 1734-FPD field power distributor to isolate field power segments.

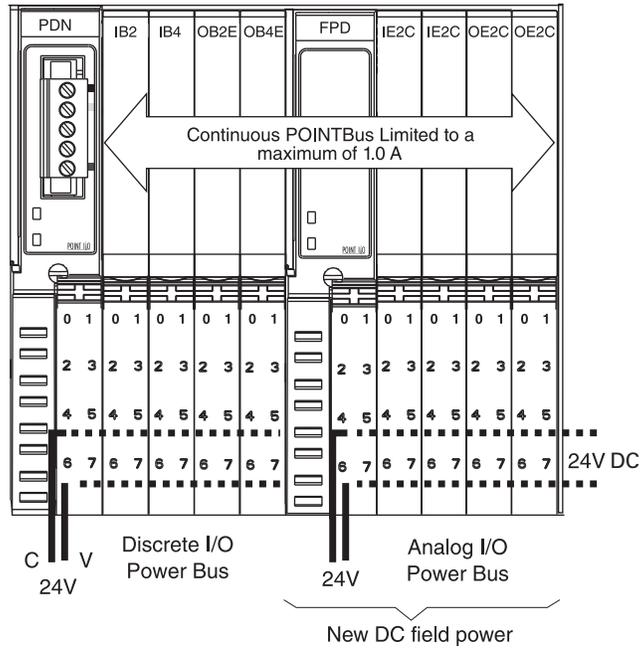
1734-FPD Technical Specifications

	1734-FPD
Field side power requirements, max	—
Inrush current, max	—
POINTBus output current rating	—
Overvoltage protection, inputs	—
Power supply interruption protection	—
Power supply input voltage, nom	12V/24V DC 120V/220V AC
Operating voltage range	10...28.8V DC 120V/240V AC
Power consumption, max	—
Power dissipation, max	—
Thermal dissipation, max	—
Isolation voltage	250V (continuous), Basic Insulation Type Type tested @ 2600V DC for 60 s, User power to system, User power to Chassis ground, system to Chassis ground
Field power supply voltage range	10...28.8V DC, 120...264V AC
Field power supply current, max	10 A

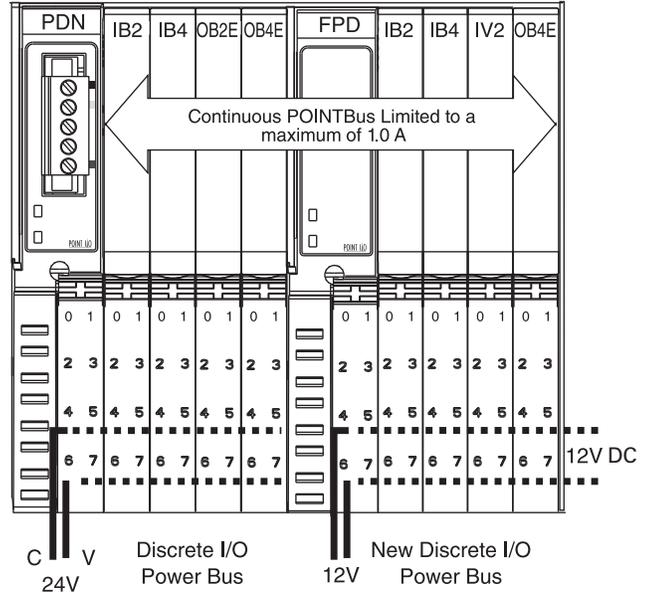
Wiring Using a 1734-FPD to Create a New AC Device Power Bus



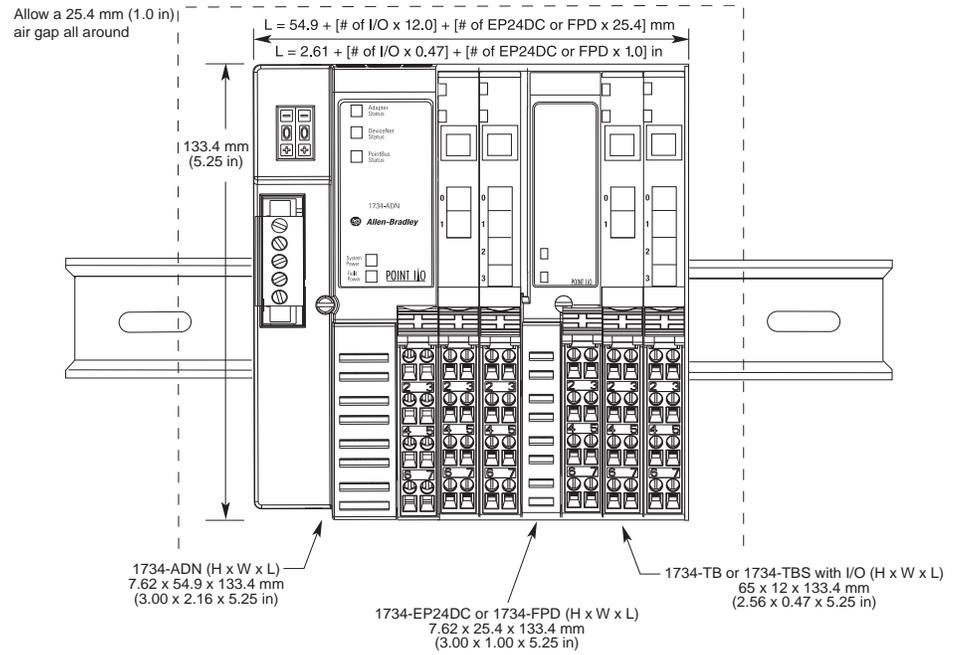
Wiring Using a 1734-FPD to Create a New Analog Device Power Bus



Wiring Using a 1734-FPD to Create a New DC Device Power Bus



POINT I/O with 1734-ADN(X), 1734-ACNR, 1734-AENT, 1734-APB Mounting Dimensions



IMPORTANT

When mounting the 1734-IB8S, 1734-OB8S, and 1734-IE4S modules, ensure that there is 2 in. of clearance space above the POINT rail.