

# FieldPoint Accessories and Cables



Figure 1. FP-ENC1 Industrial Enclosure with Polycarbonate Window



Figure 2. PS-4 Universal Power Supply for FieldPoint

DIN Rail Length	Will Hold	Part Number
330 mm (13 in.)	1 network module and 2 I/O modules	745557-01
550 mm (19.7 in.)	1 network module and 3 I/O modules	745557-02
660 mm (26 in.)	1 network module and 5 I/O modules	745557-03

## Industrial Enclosures (See Figure 1)

You can safely mount FieldPoint modules in environments where they are exposed to rain, dust, and dirt by using the FP-ENC1 industrial enclosures. We offer two enclosures, one with a polycarbonate window that is rated to NEMA 12 and IP55, and one with a solid metal door that is rated to NEMA 4 and IP66. The FP-ENC1 can house one network module and up to four FieldPoint I/O modules. Each enclosure includes a DIN rail. The enclosure dimensions are 20 by 60 by 15 cm (7.9 by 23.6 by 5.9 in.).

FP-ENC1 (enclosure with window) .....777596-01  
 FP-ENC1 (enclosure with solid door) .....777596-02

## DIN Rail

FieldPoint modules should be firmly mounted on a 35mm DIN rail. We offer three different lengths of DIN rail.

## Power Supplies (See Figure 2)

National Instruments offers four DC supplies for FieldPoint systems. You connect the power supply output to the FieldPoint controller or network interface module, which regulates, filters, and distributes power to the bank of up to nine I/O modules that it controls. Each of the four power supplies can power an entire bank of FieldPoint I/O modules. The PS-4 mounts on a DIN rail and is recommended for most FieldPoint installations.

Model	Output Voltage	Output Current	Input Voltage	Part Number
PS-1	20 VDC	0.8 A	120 VAC	777567-01
PS-2	24 VDC	0.8 A	P = 1 U.S. 120/Japan 100 VAC 2 Swiss 220 VAC, 3 Australian 4 Universal Euro 240 VAC 5 North American 240 VAC 6 United Kingdom 240 VAC	777584-0P
PS-3	13.8 VDC	4 A	Same as PS-2	777585-0P
PS-4	24 VDC	0.625 A	90-260 VAC 50/60 Hz	778586-90
PS-5	24 VDC	5 A	90-260 VAC 50/60 Hz	778805-90

Power connects to the FP-1001, FP-1600, or FP-20xx modules, which regulates, filters, and distributes, to attached I/O modules.

# FieldPoint Accessories and Cables

## Bus Extender Cable (See Figure 3 and 4)

The FieldPoint bus extender cable extends the local backplane bus of a bank of FieldPoint modules for more flexible configuration. You can use up to two extender cables per bank.

FieldPoint Bus Extender Cable .....185576-15  
DIN-Rail-Mounting Kit for FieldPoint Bus Extender Cable .....777609-02

## RS-232 Cable

The RS-232 serial cable connects the FP-1000 module directly to the PC serial port.  
3 m .....777566-03

## Ethernet Cables

Twisted-pair, category 5 cable for 10BaseT and 100BaseTX connection – connects the FieldPoint FP-1601 and FP-20xx network interface modules to an Ethernet switch or hub.

1 m .....182219-01  
5 m .....182219-05  
10 m .....182219-10

*For more information on RS-232 and RS-485 plug-in boards, see page 712.*



Figure 3. FieldPoint Bus Extender Cable



Figure 4. DIN Rail Mounting Kit for FieldPoint Bus Extender Cable