

Product Specifications

FOUNDATION™ Fieldbus
Profibus PA

FCS-YK2 Demo Kit

Description

The Relcom FCS-YK2 Demo Kit is a low cost product that provides everything necessary to connect Fieldbus devices to a Host computer. It is intended for laboratory or demonstration purposes and should not be used for real process control installations.

The functions included in the Demo Kit that are needed for a Foundation Fieldbus segment are:

- Power Supply
- Power Conditioner
- Terminators (2)
- Host (NI) cable
- Fieldbus Device Cables (5)

For a complete working segment, the user only needs to supply a Host system and the Fieldbus Devices.



FCS-YK2

The Demo Kit consists of the following standard Relcom products that are assembled together in a ready-to-use form:

FCS-YK2:

1	FCS-PH-110-PL	Fieldbus Power Hub with 110VAC Wall Transformer
1	FCS-MB2-SG	2 port Fieldbus Megablock with SpurGuards
6"	FCS-A01	6 inches of 35mm DIN Rail
1	FCS-A02	DIN Rail End Stop
1		National Instruments Host cable
5		3' lengths of cable for Fieldbus Devices

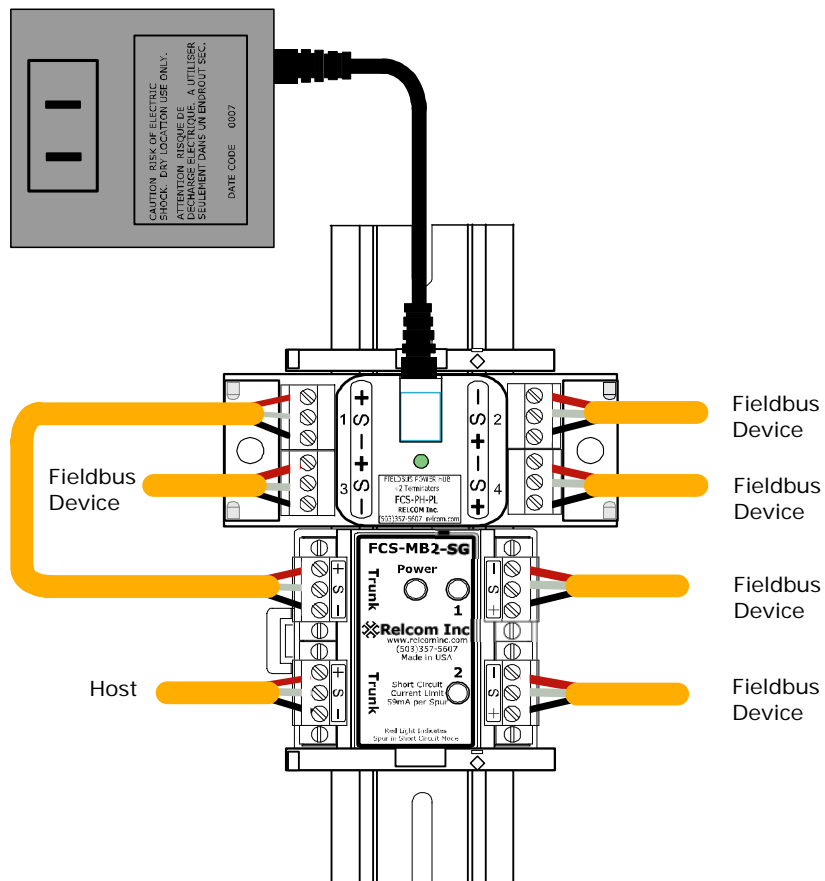
The following page contains brief technical data for the Demo Kit. For complete specifications, see the datasheets for the individual Relcom products.

Note: Megablocks are available in larger sizes (4, 8, and 10 port). See our web site or contact your local MTL Representative for further information.

The Wall Transformer comes with 4 country plug options (US, UK, Europe, Australia) and supports 100-240 VAC input voltage. Simply install the plug that you need on the Transformer.

Product Specifications subject to change without notice.

FCS-YK2 DEMO KIT



Suggestions for Use:

The 2 port SpurGuarded™ Megablock has been included in the Demo Kit to demonstrate the value of the Short Circuit protection. As a demonstration, temporarily short one of the Spurs (labeled 1 and 2) on the Megablock to show that the rest of the segment continues to operate. Observe the Red LED on the Megablock indicating which Spur is shorted.

We suggest that the Host (Controller) is connected to the unused Trunk Connector on the Megablock. This leaves the two Megablock Spurs for connection of devices. The three other unused connectors on the Power Hub may be used for device connections as well, but they are not short circuit protected.

The Green LEDs indicate that there is bus power on the segment.

Specifications:

Total Device connections:	6 (including Host)
Short Circuit Protection:	2 Spurs (on Megablock)
Shorted Spur current:	60mA (Megablock only)
Fieldbus Voltage:	>17 volts @ 200mA
Temperature Range:	0 to +50 °C

Certifications:



See individual data sheets for certification information.