

FIP Bus Controller

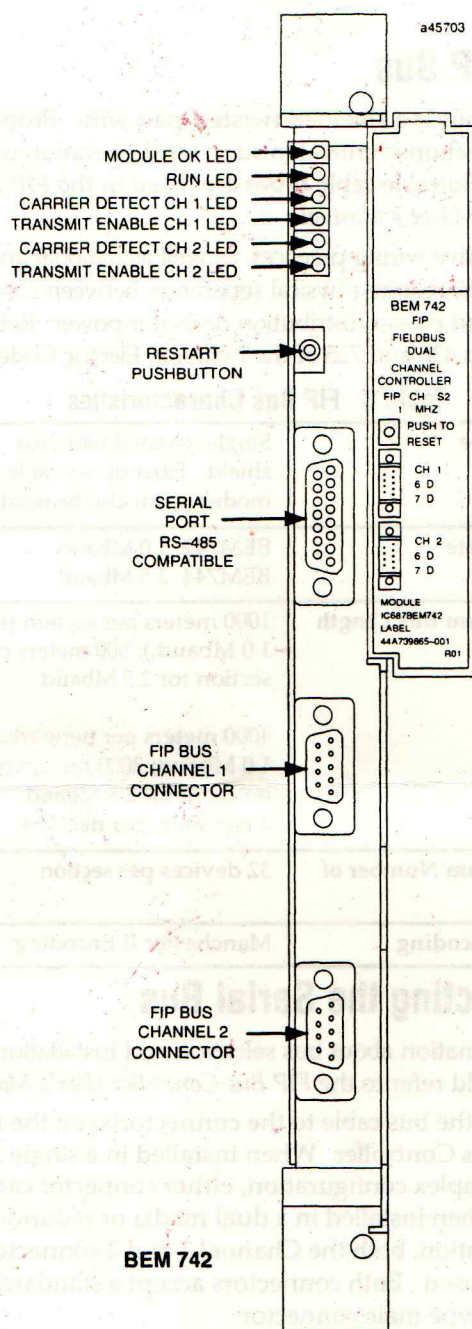
GFK-1450A
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Figure 2 FIP Bus Controller Module - User Features

FIP Bus Controller Description

Following is a basic description of the module features (refer to Figure 2 for location of hardware features)

Status LEDs

The six LEDs located on the front of the FIP Bus Controller display module status and communications activity

The top two LEDs indicate module health. The bottom four LEDs indicate communications activity on the FIP bus. Two LEDs are dedicated to each of the FIP channels.

MODULE OK

Shows the status of the FIP Bus Controller. This LED blinks during power-up diagnostics and should remain on as long as power is applied to the Bus Controller.

RUN

Shows the operational status of the FIP Bus Controller. This LED turns ON when the module is acting as the Bus Arbiter for the FIP network.

CARRIER DETECT CH 1

This LED is ON when detecting a carrier signal on the FIP bus attached to channel 1.

TRANSMIT ENABLE CH 1

This red LED is ON when the FIP Bus Controller transmits data on the FIP bus attached to channel 1.

CARRIER DETECT CH 2

This LED is ON when detecting a carrier signal on the FIP bus attached to channel 2.

TRANSMIT ENABLE CH 2

This red LED is ON when the FIP Bus Controller transmits data on the FIP bus attached to channel 2.

Pushbutton

A pushbutton located directly below the LEDs is provided as a means to enable the Bus Controller to accept an upgrade of its operating firmware. It is also used to locally reset the Bus Controller in the event of a watchdog timeout.