

Model BIU 130 Bus Interface Unit



FEATURES

- Meets or Exceeds all NEMA TS2 Standards
- TS2 SDLC Port
- Less than 50 mA standby current
- Designed for “HOT” plugging
- Socketed I/O Drivers for easy maintenance
- Heavy duty 200 mA output drive capability
- Power brownout indication
- 120 Hz reference failure indication
- Optional RS-232 port for custom applications

The **Model BIU 130 Bus Interface Unit** links the TS2 Controller Unit to the Cabinet I/O. It is responsible for controlling load switches, providing dimming, receiving and isolating pedestrian calls, analyzing detector faults, time-stamping detector calls, and providing detector resets. By design, the BIU is free of operator controls. The BIU performs its I/O functions based upon a pre-wired card rack address.

Power Specifications:

- 18-26 VDC
- 200 mA
- Less than 1.5 A Power-Up Surge
- Can be Inserted with Power Applied

Input Specifications:

- 8 Dedicated Inputs
- 24 Configurable Inputs
- Low (True) Below 4 VDC
- High (False) Above 16 VDC
- Greater than 50 mA Sink Current

Power LED Indicator Details

- Short “Wink” Off Indicates 120 Hz Reference Failure
- Long Period On/Off Toggle Indicates Inadequate 24VDC Power Level
- Solid On Indicates Proper Power and Operation
- Solid Off Indicates No Power

Transmit LED Indicator Details

- Quick Blinking Indicates Proper Communications Activity
- Solid Off Indicates Communications Failure

Port 1 Specifications:

- EIA-485 Standard Compliant
- 153.6 Kbps Data Rate
- SDLC Protocol

RS-232C Port Specifications

- RS-232 Standard Compliant
- Factory Customizable Interface

Opto-Input Specifications

- Less than 3 VRMS Active (True)
- Greater than 6 VRMS Inactive (False)
- 10 MW, 1000 VAC RMS Isolation

