



# Model BIU 130 Bus Interface Unit

**APPROVED**

By Taylor Sisson at 1:38 pm, Apr 01, 2015

- Meets or Exceeds all NEMA TS-2 Standards
- 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-232C Port for Custom Applications

The Naztec Model BIU 130 Bus Interface Unit links the TS-2 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

**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 MΩ, 1000 VAC RMS Isolation

**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

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Naztec, Inc. • 820 Park Two Drive • Sugar Land, Texas 77478 • Phone (281) 240-7233 • Fax (281) 240-7238

Email: [naztec@naztec.com](mailto:naztec@naztec.com) • <http://www.naztec.com>