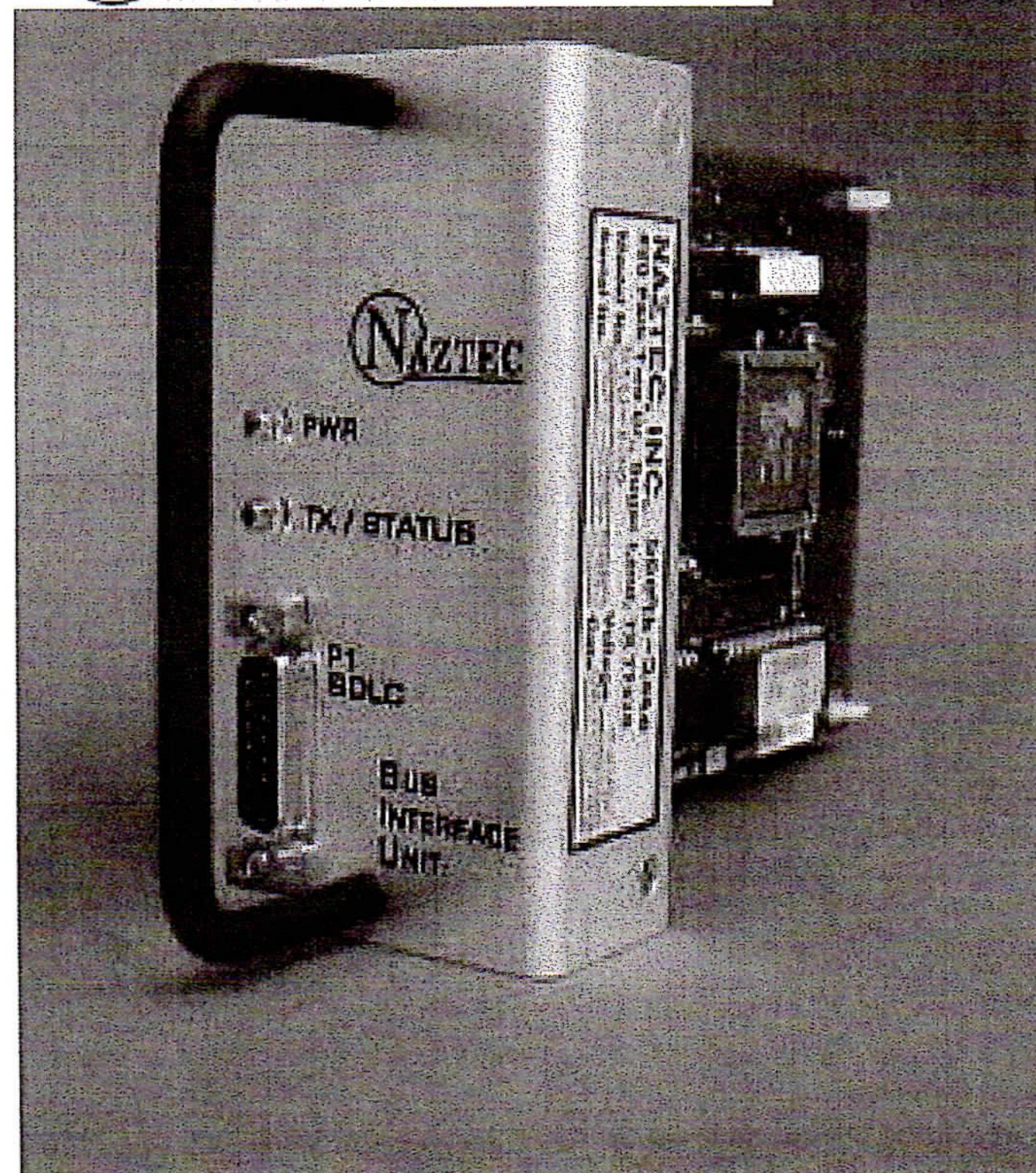




## Model BIU 130 Bus Interface Unit



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### Features

- 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 M $\Omega$ , 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

### Technology That Moves America

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