



# BIU-700

## BUS INTERFACE UNIT FOR NEMA CABINETS

Performs the interface between Port 1 of the Controller Unit and the Loop Detector Racks, Terminals and Facilities, and other devices in a NEMA TS-2 Cabinet.

### FEATURES

- Display Indicators
- Signal I/O Configuration
- Output Drivers
- Isolated Inputs

### HIGHLIGHTS

- Meets or exceeds all requirements of the NEMA Standard TS2-2016 for the BIU configuration
- Compatible with all Controller Units and Cabinets compliant with the requirements of NEMA Standard TS2-2016



## NEMA CABINET COMPATIBLE

### Basic Functions

The BIU-700 Bus Interface Unit meets or exceeds all requirements of the NEMA Standard TS2-2016 for the BIU configuration. Its functions include controlling load switch outputs, detector resets, communicating with Inductive Loop Detectors and other devices, and the conditioning and conversion of Terminals and Facilities and Loop Detector call inputs for the Controller Unit.

### Display Indicators

Separate Power, Receive, and Transmit LED indicators display DC power status and SDLC Port 1 status.

### Input / Output Pins

Signal I/O Configuration: 15 DC Output pins, 24 Programmable Input / Output pins, 8 DC Input pins, 4 Optically isolated input pins, 1 Line Frequency Reference input pin, 4 Address Select input pins.

### Output Drivers

All outputs are rated at 150mA continuous sink current. Each output provides a 500mA typical current limit. Outputs are rated to 50 volts and utilize a voltage clamp for inductive transient protection.



Isolated Inputs

Four optically isolated inputs provide isolation for Pedestrian Detector and Remote Interconnect inputs. These inputs are intended for direct connection to 12 Vac from the cabinet power supply for Pedestrian Detector applications. They may also be connected for 'Low True' DC applications when the Opto Common pin is connected to a 24Vdc supply.

Model Options

Model	Width	Latch
BIU-700	Standard	None
BIU-700H	Half Width	None
BIU-700L	Standard	Thumbscrew Latch

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