Features

Provides secured local area network Ethernet connections for authorized service access:

- Compatible with Simplex® 4100ES and 4010ES fire alarm control panels
- Appears as an Ethernet switch to the building network and supports dual Ethernet connections
- Supports software downloads and uploads with LAN operation speed
- Allows execution of service level computer port commands
- Allows connection of Service Gateway text/e-mail based remote test service connections
- Local access to LAN either by technician service laptop PC or by pre-authorized PC on-site
- Download site specific software to multiple 4100ES and 4010ES panels equipped with a BNIC module
- Upload site specific software from another 4100ES or 4010ES panel on the same fire alarm network
- Authorized service personnel can log into the BNIC from remote locations, or via the front panel Ethernet connection on 4100ES and 4010ES panels
- 4 x 10 Dual vertical block module size

Description

The Building Network Interface Card (BNIC) provides two external Ethernet ports to securely bridge the 4100ES and 4010ES panels with an external network (e.g. the building network) allowing access to the external network and to any other 4100ES/4010ES panels that are on the external network.

BNIC functionality allows the following functions to be performed while providing secure/authenticated communications:

- Direct connection to the front panel Ethernet service port
- External network connectivity (two external Ethernet port connections)
- Execution of computer port commands to panels on the external network
- 3rd party interfaces using the computer port command line interface across the external network
- Ethernet interface to Simplex software applications such as Service Gateway
- Recovery of site specific programming details (job files) from a panel on the external network
### BNIC Product Selection

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<td>4100ES and 4100U</td>
<td>Building Network Interface Card (BNIC) with dual Ethernet ports</td>
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* Module selection restrictions may apply, refer to the 4010ES data sheet for details.

### Specifications

#### Electrical

- **Voltage**: 24 VDC from the control panel
- **Current**: 291 mA maximum; 236 mA typical
- **Four On-board Status LEDs**: Port Status, Offline Status, Reset Status, Earth Fault

#### Mechanical

- **Module Size**: Dual vertical block 4 x 10 module
- **Temperature**: 32° to 120° F (0° to 49° C)
- **Humidity Range**: up to 93% RH at 90° F (32° C)

### Reference

- **Installation Instructions**: 579-949 (includes an MIS/IT Configuration Worksheet)

### Additional Data Sheet Reference

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