
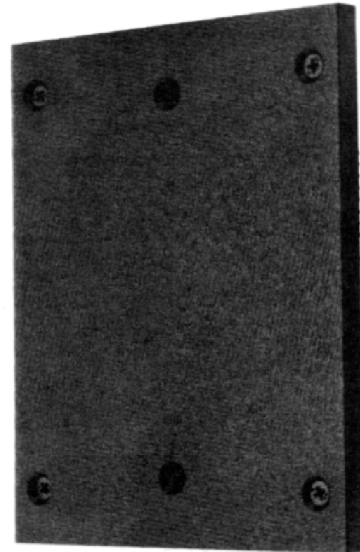


GAD and RRD

IXL Remote Graphic and Relay Driver

ENGINEER AND ARCHITECT SPECIFICATIONS

- RRD Energizes Relays
- GAD Illuminates Graphic Annunciators
- Up to 24 Combined Module Capacity
- Header Connections for use with User Supplied LED Graphic Panel
-  ULC Listed, FM, CSFM and NYMEA Approved



Description

The Remote Graphic Driver and Relay Driver are modules that can be used to illuminate graphic annunciators or energize relays. The Remote Graphic Driver Module is model GAD and the Remote Relay Driver Module is model RRD.

Both modules have a header (i.e., a male connector for a female pin wire connector). The wire connector from the GAD is fastened to a user supplied LED graphic panel. The wire connector from the RRD is fastened to a user supplied UL listed relay unit.

The GAD and RRD modules can be connected anywhere on the IXL network communication lines.

Operation

When the Graphic Drivers (GAD) are connected to user supplied graphic annunciators, the GAD can support up to 192 graphic annunciated points. Both alarm and trouble LED's can be annunciated with the use of the GAD.

When used, treat the Graphic Driver as a remote annunciator in power calculations, with each module accommodating up to 8 points.

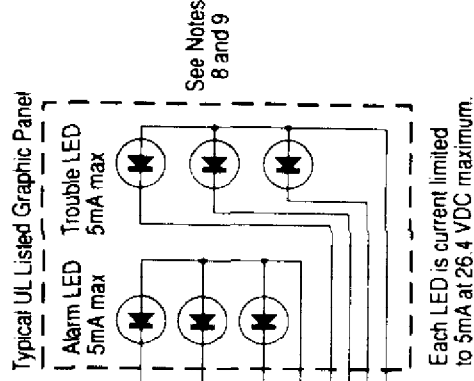
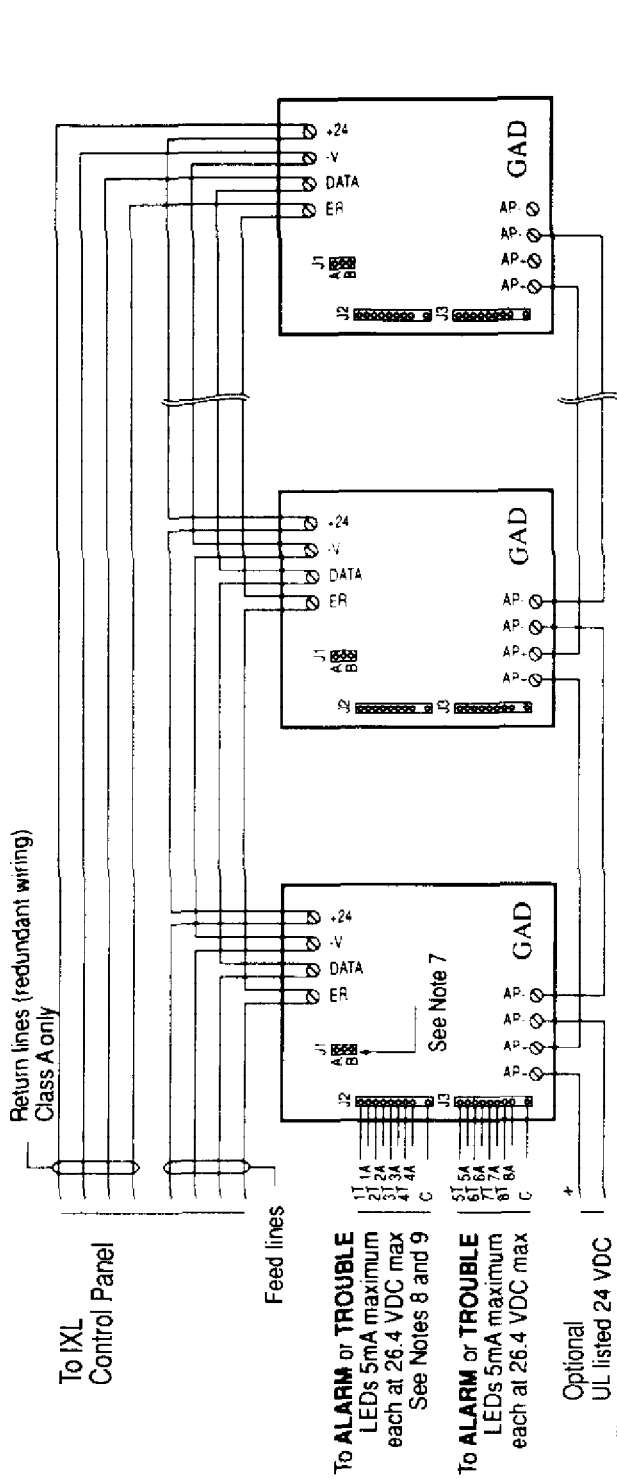
The Remote Relay driver must include relay current requirements in line loading calculations.

The wires coming from both the GAD and RRD driver card are not supervised. Therefore, if possible, always mount the GAD in the same cabinet as the graphic display or, for the RRD, mount it in the same box as the relays.

Engineer and Architect Specifications

Remote Graphic drivers shall be a model GAD, Remote Relay drivers shall be a model RRD. These driver modules shall be connected anywhere onto the IXL system network communication lines. These modules shall have headers to enable connection to user supplied LED graphic panels or user supplied UL listed relay unit.

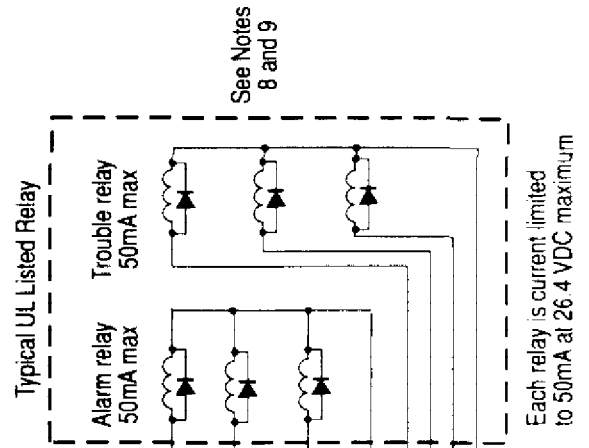
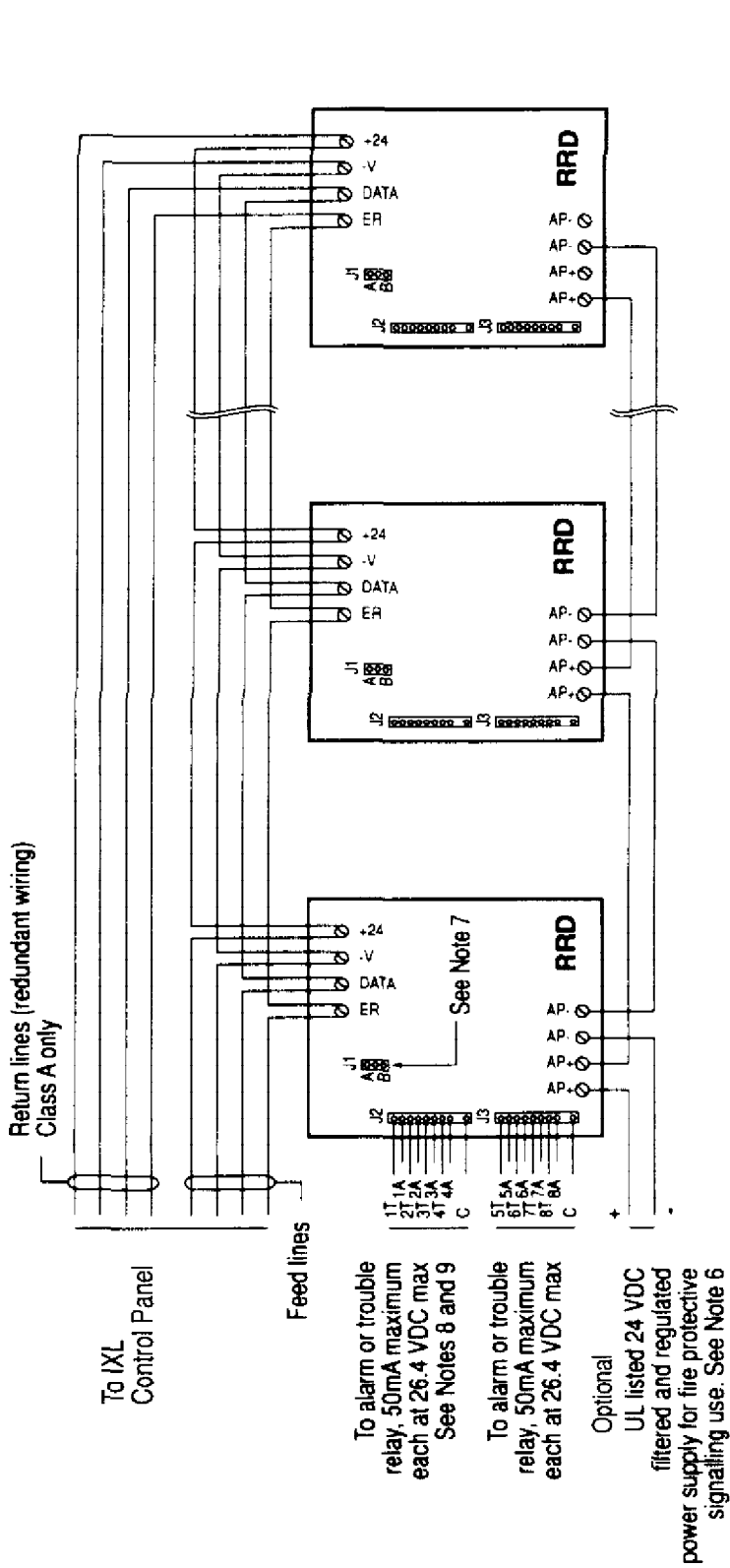
Model RRD Wiring Diagram



NOTES:

1. All field wiring must be in accordance with NFPA 70, Article 760.
2. Refer to loop power requirements.
3. Do not make connections while System is powered.
4. Use 4 conductor wire.
5. Other IXL addressable devices may also be connected on the same loop, such as the remote annunciator, collective zone interface control element and ICon.
6. A remote auxiliary 24 VDC power supply may be used to power graphic annunciators.
7. When an auxiliary power supply is used, J1 must be in position A. When power is taken from the control line, J1 must be in position B.
8. The RRD must be used within the same room, field wiring must be in conduit, and wiring must not exceed 20 feet.
9. The Remote Graphic unit must be a UL listed control unit access sory and have compatible ratings.

Model GAD Wiring Diagram



- NOTES:**
- All field wiring must be in accordance with NFPA 70, Article 760.
 - Refer to loop power requirements.
 - Do not make connections while System is powered.
 - Use 4 conductor wire.
 - Other IXL addressable devices may also be connected on the same loop, such as the remote annunciator, collective zone interface control element and ICon.
 - A remote auxiliary 24 VDC power supply may be used to power graphic annunciators.
 - When an auxiliary power supply is used, J1 must be in position A. When power is taken from the control line, J1 must be in position B.
 - The GAD must be used within the same room, field wiring must be in conduit, and wiring must not exceed 20 feet.
 - The Remote Graphic unit must be a UL listed control unit accessory and have compatible ratings.

See Notes 8 and 9

Electrical Operating Characteristics

Ordering Information

Remote Graphic Driver (GAD)

| | |
|----------------|----------------------------|
| Input Power | 24 VDC, 2mA (no LED's on) |
| Output Current | 5mA per Alarm LED |
| | 5mA per Trouble LED |
| | 80mA when ALL LED's are on |
| | as for Lamp Test |

Remote Relay Driver (RRD)

| | |
|----------------|-------------------------------|
| Input Power | 24 VDC, 2mA (no relays on) |
| Output Current | 50mA per Alarm relay 50mA |
| | per Trouble relay 800mA when |
| | ALL relays are on as for Lamp |
| | Test |

Mounting

Mount the modules, using their plastic mounting plates, to any convenient mounting surface, such as a graphic display panel housing.



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