



# ICR-44

## Intercom Relay 4 Input X 4 Output

The ICR-44 Intercom Switching Relay is a Snap Track mounting module for use in harsh environments such as correctional facilities while providing high quality audio communication with complete control. Each unit provides connection for 4 remote intercom speakers with 4 audio destinations.

The ICR-44 supports either Sinking or Sourcing Relay Drivers. This allows PLC systems to switch or control either the power plus or minus.

For convenience, all the ICR-44 terminations are connectorized. All Remote Station connections are via Buchanan type connectors. A matching set of Buchanan connectors is provided on the opposite side of the board for access to the normally open and closed relay contacts. By using the "Back Contacts" multiple masters or priority switching can be achieved. A separate set of Buchanan type screw terminals are available for connection of power, and control for the relays.

Associated with each Station Selection Relay is a Station Status Indicator. The Station Indicators shows the Technician what relay or relays are active. The indicators are intuitive, and easily learned. Each Station Indicator is either Off or On. When an Indicator is Off there is no activity with that station. When an Indicator is On, that Station is selected for Communication. Or all Indicators will be On simultaneously during a Page.

### BENEFITS

- Very Flexible
- Multiple Configurations
- Jumper Configurable
- Designed Specifically for Corrections High Quality Audio
- Sink or Source Logic Control

### Associated Equipment

<b>ICA-202D</b>	Intercom Amplifier
<b>ICR-116</b>	16-Channel Intercom Relay
<b>DODC-1</b>	Detention Desk Operator Console
<b>PA-402</b>	Paging Amplifier

### Design Information

<b>Power</b>	24V DC (Power Supply Not Included)
<b>Color</b>	Green PCB
<b>Mounting</b>	Standard 3-in. Snap Track
<b>Dimensions</b>	5" L x 2.9" W x 0.5" H
<b>Weight</b>	3 Oz.
<b>Connections</b>	4x Double Throw Audio Relays

### Architects' & Engineers' Specifications

The Audio Intercom Switching Relays shall be low noise, double pole/double throw, sealed units with 24 Volt DC coils. Relays must be capable of being controlled from either positive or negative switching. Each relay shall have separate discrete control and have an individual LED indicator that lights whenever the relay is active. Audio and Control access for connection to PLC or other controllers shall be via screw terminals. Relay panels shall be track mount units with screw tabs, each unit containing 4 station relays.

The Audio Intercom Switching Relays shall be Tech Works ICR-44

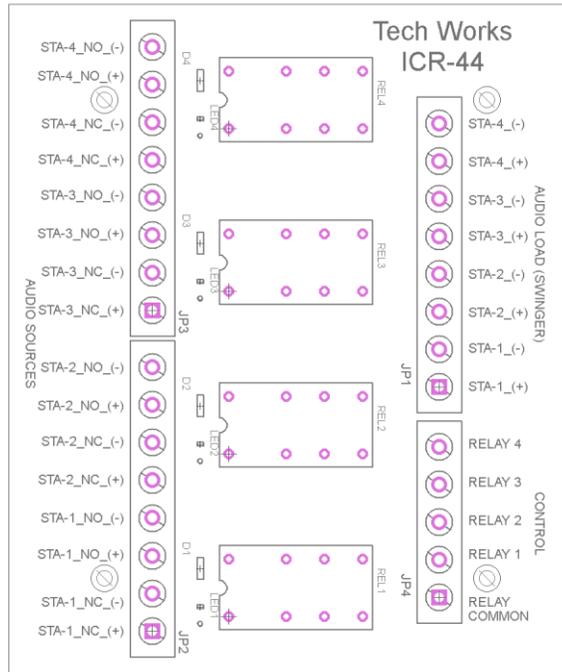


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# Main printed circuit board



# Circuit Schematic

