

LINKS2450™

Long Range Radio
Alarm Transmitter
for DSC® Alarm Panels

by



- Alarm communications via Safe Link long range radio network...
 - can operate as the sole method of communication or as back-up to a land line
- Compatible with DSC Keybus and MAXSYS™ control panels
- Fully programmable via...
 - the control panel keypad
 - local PC-LINK
 - remote upload/download
- Fully supervised
- RFI, static, and lightning protection

Communications Backup...

LINKS2450 can use the Safe Link long range radio network as the sole method of communication to the monitoring station or as a dual transmission path with a land line. LINKS2450 provides full reporting of all events to the monitoring station receiver when connected to DSC Keybus or MAXSYS control panels. The LINKS2450 provides the ultimate in flexibility and, with Safe Link radio networks, can be the most economical wireless solution for your customers.

Compatibility...

- compatible with DSC Keybus and MAXSYS control panels
- connect to Keybus anywhere up to 1,000 ft. (305m) from main control panel
- receives power and battery backup from the control panel
- fully supervised by alarm panel

Easy Programming...

- LINKS2450 is fully programmable via the control panel keypad
- local PC-LINK and remote upload/download capability
 - program system using DLS software and direct PC connection to control panel or via remote PC over telephone line

Antenna...

- BNC antenna connector
 - mates with commercially available colinear 50ohm unbalanced antenna
- optional Safe Link antennas available to suit customer requirements
 - remote mounting kit and 10ft. (3m) coax cable included
- exterior mount antenna with tamper protection available
- LINKS2450 will operate with a remotely mounted directional hi-gain antenna

Radio...

- **frequency range**..... 440-470MHz
(other frequencies available by request)
- **modulation type**..... FM (FSK)
- **RF output power** 2 watts
- **effective range**⁽¹⁾ approx. 10 miles (16 km)
with interior mounted antenna
- **line-of-sight range**⁽¹⁾ approx. 20 miles (32 km)
with exterior mounted antenna
- **compliance** FCC PRT15, IC RSS-119

⁽¹⁾ dependent on local environment

Power Supply...

- **supply voltage**..... 11VDC to 14VDC
- **current consumption**...
 - when transmitting 750 mA
 - when not transmitting 60 mA

Physical...

- **dimensions** 4.17" H x 5.75" W x 1" D
(10.6 x 14.6 x 2.5 cm)

Long Range Radio Network

The alarm transmission can be received simultaneously by any or all network receivers within the coverage area.

The transmission is not specific to any one receiver.

Network receivers are typically set up with overlapping cells (RF coverage). This type of network configuration greatly enhances the level of system integrity by providing receiver backup and signal redundancy.

