CAN Compatible Receiver

IMPORTANT!
Read this manual completely before operating system.

Keep this manual available for future reference.

Make sure the area is safe for operating equipment before turning power on or starting equipment.

If you encounter any problem or malfunction, discontinue use immediately, and contact your equipment dealer for service or replacement parts.

CAUTION
Improper operation of these controls could cause damage to equipment. Do not allow anyone to operate this equipment before completely reading all manuals.

NOTICE
Miratron, Inc. controls are not intended for life or safety applications. Miratron, Inc. shall not accept responsibility for installation, application, or safety of machine or systems which utilize Miratron, Inc. controls.

Care and Handling
Failure to follow care and handling instructions will void the warranty and could result in unsafe equipment operation.
Remove receiver from machine prior to welding on machine.
Do not paint electrical connectors.
Use only factory provided antenna and cabling.
Do not open receiver enclosure except to make adjustments to factory settings.
Use transmitter to test functions. Do not apply voltage to circuit board directly.

OPERATION
General
Receivers are factory configured and programmed for each application. Refer to the wiring diagram for your specific system for receiver wiring and output information.

Special Features
This receiver features field adjustments. Refer to label inside lid for specific instructions.

Transmitter/Receiver Matching
Transmitters and receivers are shipped from the factory as matched pairs. If a new transmitter is to be used, it must be trained to operate the receiver.

Training procedure:
- **Receivers with tether connection:**
  1. Connect transmitter to receiver using tether cable provided.
  2. Operate transmitter to verify tether is connected.
  3. Disconnect tether, and resume normal operation.

- **Receivers with learn button:**
  1. Power on transmitter and receiver.
  2. Press “LEARN” button on receiver.
  3. Operate transmitter normally.
SPECIFICATIONS

General
- Power Requirement: 10 to 30vdc, 500mA max
- Fuses: Internal 1-amp self-resetting fuse

Radio
- Frequency: 902-928MHz, Unlicensed ISM band standard models
  2.4-2.4835GHz, Unlicensed ISM band international option
- Type: Frequency hopping spread spectrum
- Frequency Control: Direct FM
- FCC id: OUR9XCITE: Standard range
  OUR9XTREAM: Extended range
  OURXBEE: International version
- Sensitivity: -104dBm

Receiver
- RF Connector (option): BNC
- Communication: CAN, SAE J1939; 2 ports
  RS485; Tether control
  Consult factory for available protocols and message specifics
- Field Wiring: 12-pin DTM connector with 6’ pigtail cable

Enclosure
- Nylon 6/6 black, IP66
  Approximate size: 5.24” L x 4.63” W x 1.48” D

Environmental
- Storage: -40ºC to 85ºC
- Operating: -10ºC to 60ºC

POINT MAP
- Address: 11 or 29 bits factory set - consult factory for specific requirements
- Data Rate: 250kbps; update 20 times per second

WIRING