R–4-CAN Operating Guide

CAN Compatible Receiver

Shown with optional tether connector and external antenna jack

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.

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.

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	-40°C to 85°C
	Operating	-10°C to 60°C

POINT MAP

Address: 11 or 29 bits factory set - consult factory for specific requirements

Data Rate: 250kbps; update 20 times per second

WIRING