



IRX8 8-channel Infrared Receiver

Complete 8-channel IR receiver with optional inputs



OPERATION

Receiver Operation

Complete 8-channel IR receiver. Factory configurable outputs and 2 optional inputs for sensors or local controls. Compatible with all IR equipped Miratron transmitters.

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.

Transmitter/Receiver Matching

Receiver can “learn” a new transmitter in the field by operating 2 transmitter functions simultaneously within 10 seconds of powering receiver on.

SPECIFICATIONS

General	Power Requirement	12vdc, 50mA nominal + power to loads
	Fuses	Customer-supplied fuse should be installed in field wiring
IR	Wavelength	950nM infrared
	Range	50 feet, nominal
Outputs	8 factory configurable outputs	Digital, proportional, ratiometric, or unamplified
	Digital Outputs	Solid state relay, provides supply voltage up to 5-amp
	Proportional Current Outputs	Adjustable PWM up to 5-amp
	Ratiometric Outputs	25% to 75% of supply voltage, 100mA max
	Unamplified Outputs	Customer specified (0 to 10v, typical)
Inputs	2 optional inputs	Compatible with switches or sensors
Field Wiring		Wiring pigtail provided
Enclosure		Tinted polycarbonate, NEMA 4X
		Approximate size: 3.85 diam x 2.3” h above mounting surface
		4” recommended under mounting surface for wiring
Environmental	Storage	-40°C to 85°C
	Operating	-40°C to 60°C

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.