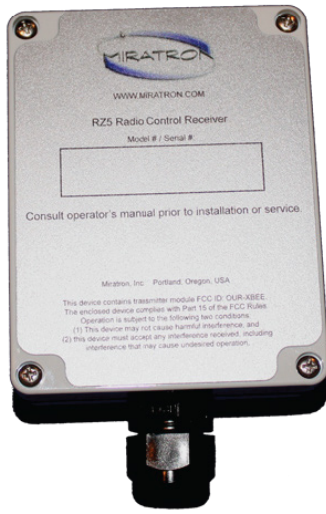




Versatile 16 Channel Solid State Radio Control Receiver

Up to 16 Control Outputs



FEATURES

- Low Cost**
Economical way to add radio control capability to a wide range of equipment.
- Compact Size**
Mounts in tight locations.
- Easy Installation**
Terminal blocks are easily accessible for simple, clean installation.
- License Free** Pre-certified FCC - no license required.

OPERATION

Radio Operation

The R5 is a rugged radio control receiver that is ideal for high volume digital control applications—it can be configured with up to 16 solid-state digital outputs. In addition, two of the 16 channels can be configured for proportional control—PWM, Ratiometric, or Analog. We program each receiver for the unique requirements of the applied application—think of it as an application specific PLC.

Radio Interference Mitigation

To minimize the potential for radio interference all Miratron systems are paired as a unique set. The R5 supports two straightforward pairing methods: an easily accessible Learn button on the receiver, or a simple button-hold sequence on the transmitter.

ORDERING INFORMATION

PART #	DESCRIPTION
REL5	900MHz standard range receiver
RE5	900MHz extended range receiver
RZ5	2.4GHz international receiver
RF5	433MHz receiver

SPECIFICATIONS

General

Power Requirement 10-30vdc, 100mA nominal + power to loads

Fuses 10-amp mini blade fuse

Maximum Current 5A per Channel; 10A in Total

Radio

Frequency RZ5: 2.4-2.4835GHz, Unlicensed ISM band
EL/RE5: 902-928MHz, Unlicensed ISM band
RF5: 433MHz, fixed frequency

RF Connector (option) SMA-F

Outputs Up to 16 Total; 2 are Configurable for Proportional Control

Supported Output Types Digital Solid State
PMW
Ratiometric
4-20 mA
0-5 VDC
0-10 VDC

Field Wiring Internal, eurostyle cage clamp terminals
Water resistant cable gland for wire entry Jacketed cable recommended

Enclosure

Polycarbonate, IP66
Approximate size (R5): 6.75" L (+1.2" cable gland) x 4.75" W x 2.17" D

Environmental

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