

**SCS 30/60**  
**SENTRY**  
**COMMUNICATION**  
**SYSTEMS**  
**ULTRASONIC RECEIVER**

**RS-120**

- DURESS ALARM
- DUAL HEAD

**GENERAL DESCRIPTION**

The RS-120 receiver is a dual head version of the RS-100. The RS-120 has a stainless-steel faceplate and fits into a standard 4-square E.O. box.

**OPERATION**

The receiver is activated by any of the three transmitters. The receiver converts the ultrasonic signal into an electrical signal and conditions the signal for reliable transmission to a MUX-100 zone communicator.

When an alarm signal is received from a transmitter, the receiver is latched "on". Reset is accomplished when the MPA 30/60 is reset by the momentary interruption of power. Contacts are available on a detachable screw terminal block.

**COVERAGE**

Under normal conditions, receivers will be activated by a transmitter at a range of 50 ft. along the axis to the transducers. The range on axis to the receiver faceplate is not less than 35 ft.

**ELECTRICAL**

The RS-120 receiver operates at 12 to 27 VDC. All connections are by an 8-terminal screw clamp terminal block which will accept wires from #22-14.

**INSTALLATION**

The RS-120 receiver may be flush or surface mounted. The receiver will fit a four square (4S) box of not less than 1 3/4 inch depth. When used with a plaster ring, the ring must be a Bowers 404 series or

equal. When the four square box is one of several in a series, a deep box should be used to permit room for conduit and other conductors.

**ADJUSTMENTS**

The round potentiometer on the printed circuit board is a sensitivity adjustment. It is factory set and normally should not require adjustment. The sensitivity (range) may be reduced by adjusting the potentiometer clockwise. The rectangular potentiometer should never be adjusted in the field.

**MECHANICAL**

The receiver circuitry is pre-mounted on a stainless-steel faceplate. The receiver assembly mounts flush in a standard two-gang E.O. box. The transducer holder is white high impact material and protrudes one inch from the faceplate.

**MAINTENANCE**

Normally, no maintenance is required. In the event of failure, please consult the factory. In most cases, the unit can be repaired or replaced within 48 hours.

**POWER REQUIREMENTS**

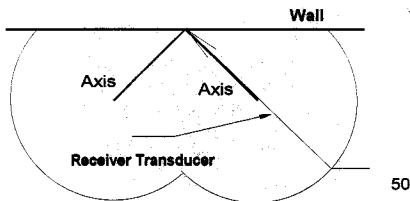
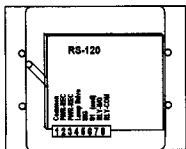
- 12-27 VDC
- 7 Milliampères Nominal
- 25 Milliampères in alarm

**ENGINEERING SPECIFICATION**

The receiver shall be ultrasonic with a fire retardant faceplate and mounts in a two-gang E.O. box. The RS-120 shall have two ultrasonic transducers and under normal conditions will be activated by a transmitter at a range of 50 ft. along the axis to the transducers. The range on axis to the receiver faceplate is not less than 35 ft. The receiver shall operate on 12-27 VDC. Connections shall be by a pluggable terminal block.

**SENTRY PRODUCTS, INC.**

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Dual Head Sensitivity Pattern