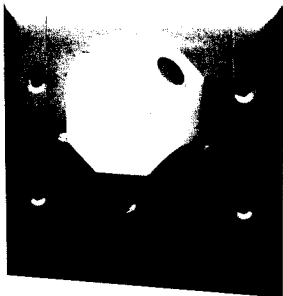


≡≡≡ **SCAN** ≡≡≡  
**SYSTEM 1000**  
**ULTRASONIC RECEIVER**  
**REMOTELY ACTIVATED SWITCH**

**SR-140**

- **DURESS ALARM**
- **QUAD HEAD**



**GENERAL DESCRIPTION**

The SR-140 receiver is a quad head version of the SR-100. The SR-140 is a general purpose replacement receiver for R-342, R-344, R-345, SR-541, SR-640, and SR-740 receivers. The SR-140 should be specified in all new construction.

The SR-140 receiver can be used to create zone-within-a-zone with the SCU-400, SCU-600, SCU-700 or SCU-900 zone control modules.

The receiver has a stainless steel face plate and fits into a standard 4-square E.O. box. An amber lamp indicates an alarm condition. In a normally lit room, the lamp is visible in all directions for a distance of not less than 50 feet.

**OPERATION**

The receiver is activated by a SCAN transmitter. The receiver converts the ultrasonic signal into an electrical signal and conditions the signal for reliable transmission to a control module.

When an alarm signal is received from a SCAN transmitter, the receiver activates a normally open or normally closed dry contact reed relay. The receiver and relay can be programmed to be either momentarily on or latched "on". Also, the receiver can latch "on" and the relay can be momentary. If the receiver is latched "on", reset is accomplished by the momentary interruption of power. Contacts are available on a detachable screw terminal block to allow interfacing with any SCAN zone control module or data gathering panel (DGP) and for operating other equipment such as dome lights, electronic locks.

**COVERAGE**

Under normal conditions, receivers will be activated by a transmitter at a range of 50 ft. along the normal to the transducers. The range on axis to the receiver is not less than 25 ft.

**ELECTRICAL**

The SR-140 receiver operates at 12 VDC. The SR-140 may be ordered for 24 VDC operation. The output is a pair of reed relay contacts. Either normally open or normally closed relays can be supplied. Unless otherwise specified, normally open contacts will be supplied. The dry contacts are rated at 10 VA at 0.5 ampere maximum.

**WIRING**

All connections are by a 8-terminal screw clamp terminal block which will accept wires from #22 - #14.

**INSTALLATION**

The SR-140 receiver may be flush or surface mounted. The receiver circuitry is pre-mounted on a stainless steel, two-gang, specially punched faceplate. The receiver will fit a 2-gang 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 2-gang box is one of several in a series, a deeper box should be used to permit room for conduit and other conductors.

**ADJUSTMENTS**

Receivers are factory-calibrated. No adjustments are required upon installation.

**SENSITIVITY**

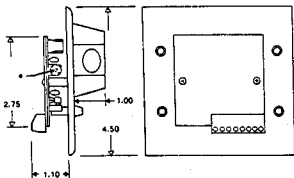
The round potentiometer on the printed circuit board is a sensitivity adjustment. It is factory set and normally should not require adjustment. The sensitivity (range) may be reduced by adjusting the potentiometer clockwise. The rectangular potentiometer should never be adjusted in the field.

**SENTRY PRODUCTS, INC.**

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## MECHANICAL

The receiver faceplate is brushed stainless steel. The receiver assembly mounts flush in a standard 2-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 VDC Standard
- 24 VDC Special Order
- 15 Milliamperes Nominal
- 100 Milliamperes in alarm

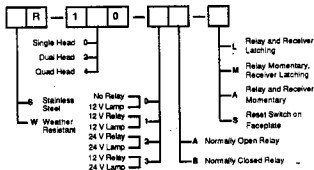
## OPTIONAL EQUIPMENT

For physical security, the RVG-2 may be used with the SR-140.

## ENGINEERING SPECIFICATION

The receiver shall have four ultrasonic transducers with a range of not less than 50 ft. along the axis of each transducer and not less than 25 ft. along the receiver axis. The receiver shall operate on 12 (24) VDC. It shall mount in standard 2-gang EO box and have a stainless steel faceplate. Connections shall be by a pluggable terminal block.

## ORDERING INFORMATION



Note: Weather resistant receivers are not available in the quad-head configuration or with a reset switch on the faceplate.