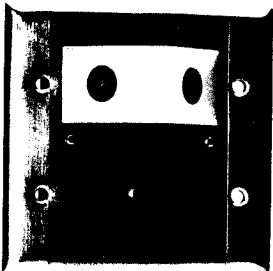


SCAN

SYSTEM 1000 ULTRASONIC RECEIVER REMOTELY ACTIVATED SWITCH

SR-120

- DURESS ALARM
- DUAL HEAD



GENERAL DESCRIPTION

The SR-120 receiver is a dual head version of the SR-100. The SR-120 is a general purpose replacement receiver for R-322, R-324, R-325, SR-521, SR-620, SR-720 and SR-820 receivers. The SR-120 should be specified in all new construction.

The SR-120 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 momentary 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 35 ft.

ELECTRICAL

The SR-120 receiver operates at 12 VDC. The SR-120 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-120 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.

NOTE: For the transducers to be properly oriented, the electrical box or adapter plate must be installed correctly for the mounting holes to align properly.

ADJUSTMENTS

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

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