



TRI-GARD  
TRIPLE BARRIER  
SPEAKER PROTECTION

**1**  
An initial metal plate with offset perforations protects against direct penetration. . .

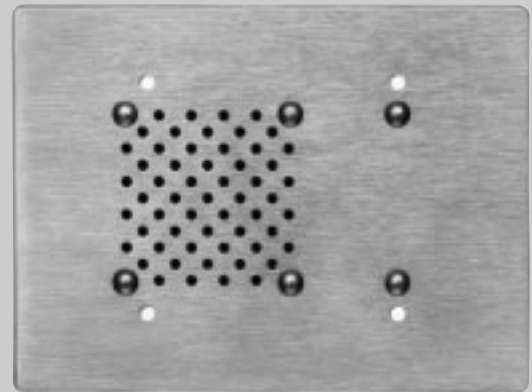
**2**  
A second and a third metal plate are further barriers against vandalism as well as flame or liquid damage. . .

**3**  
A final metal enclosure defies tampering, and enhances audio frequency response

Vandal-proof design



HSS1  
with call button



HSS2  
less call button

FEATURES

- Heavy-Gauge Stainless Steel Construction
- Weather Resistant Speaker
- Vandal-Proof Speaker Mounting Design
- Water-Resistant Tamper-Proof Call Switch (HSS1)
- Standard 3-Gang Electrical Box Mount
- Integrates With All Rauland Communications Systems

HSS1/HSS2 SPECIFICATIONS

**SPL Output:** 400 Hz to 4 KHz, +3dB @25V

- .25 watt tap—81dB @ 1 KHz
- 0.5 watt tap—84dB @ 1 KHz
- 1.0 watt tap—87dB @ 1 KHz
- 2.0 watt tap—90dB @ 1 KHz
- 4.0 watt tap—93dB @ 1 KHz

**Speaker/Microphone:** 3" acrylic impregnated cotton cloth cone speaker. Waterproof and puncture-resistant construction. 2.5 ounce ceramic magnet. 8-ohm voice coil. With 25V matching transformer tapped at 1/4, 1/2, 1, 2 @ 4 watts

**Microphone Output:** 74dB SPL @ 1 KHz, 2.5 mV 0.25 watt tap  
 1.9 mV 0.5 watt tap  
 1.4 mV 1.0 watt tap  
 1.1 mV 2.0 watt tap  
 0.9 mV 4.0 watt tap

**Switch:** SPST normally open

**Speaker Transformer Terminations:** Color-coded pre-wired pigtailed

**Call Switch Terminations:** Screw terminals

**Size:** 7-1/2" (19.05 cm) long, 5-1/2" (13.97 cm) high, 2-1/4" (5.71 cm) deep

**Weight:** 2-1/2" lbs. (1.13 kg)

**Wiring Requirements:** 3-conductor shielded

**Recommended Backbox:** Steel City 3G three-gang backbox with 3GC plaster ring or GW335-C masonry type, or equal (U.L. recognized)

**Associated Equipment:** All Rauland Communications Systems stations do not include mounting hardware.

(over)



**DESCRIPTION**

The Rauland HSS1 and HSS2 High-Security Stations are designed to provide two-way intercom functions in facilities such as correctional institutions or wherever vandalism is likely to be encountered. The stations interface readily with all Rauland Intercom Systems.

Two-way communications are accomplished through the use of the built-in speaker/microphone. A call origination switch is provided in the HSS1 station.

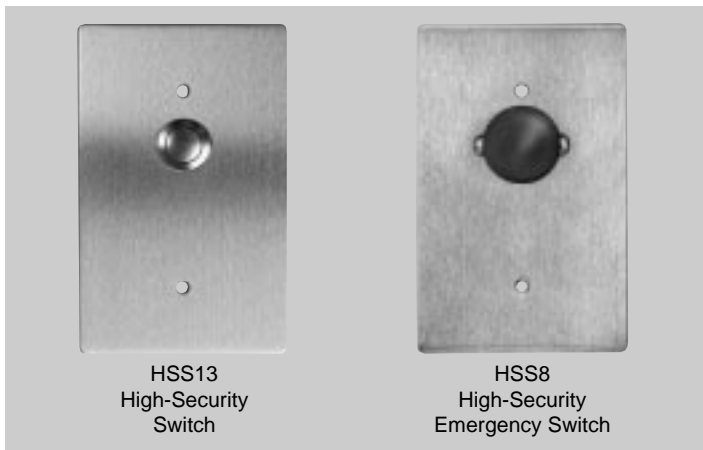
The Rauland HSS2 High-Security Station is identical to the HSS1 but does not have a call origination switch. It cannot initiate a call, but it can respond to a call through the built-in speaker/microphone.

The HSS1 and HSS2 are virtually indestructible. They are protected externally by an 11-gauge stainless steel face plate with a mar-resistant brushed finish. The call switch assembly of the HSS1 is a momentary push-button type, water-resistant, vandal-proof both in design and heavy-

duty construction. A rugged steel actuator activates a momentary switch whose movement is limited by a mechanical stop to prevent damage caused by attempted vandalism or heavy impact. The call-in switch is normally open; the self-cleaning contacts are rated in excess of 350 watts @ 120V AC (non-inductive loads).

The speaker/microphone used in the stations is an acrylic impregnated cotton cloth cone speaker, ingeniously protected against tampering or damage caused by flame or liquids. The speaker is mounted internally to the last of three protective metal "barrier" plates which effectively deny access to the speaker cone. All speaker transformer terminations are accomplished by pigtail leads. The call switch terminations are screw terminals. The stations are designed for flush mounting in a standard three-gang electrical box.

**HSS13/HSS8 HIGH-SECURITY AND EMERGENCY CALL-IN SWITCHES**



**FEATURES**

- Virtually Indestructible
- 11-Gauge Stainless Steel Faceplate
- Tamper-Proof Switch
- Steel Activator Button (HSS13)  
Red "Mushroom" Button (HSS8)  
Single-Gang Backbox Mount

**SPECIFICATIONS**

**Switch Type:** SPST normally open  
Steel Actuator Button (HSS13)  
Red "Mushroom" Button (HSS8)  
**Terminations:** Color-coded pre-wired pigtails (HSS8)  
**Screw Terminals:** (HSS13)  
**Size:** 5-1/2" (13.97 cm) high, 3-1/2" (8.89 cm) wide,  
2" (5.08 cm) deep

**Weight:** 1.7 lbs. (.77 kg)  
**Wiring Requirements:** 2 conductors  
**Recommended Backbox:** Raco 674 Single-gang  
(U.L. recognized)  
**Associated Equipment:**  
All Rauland Communications Systems

**DESCRIPTION**

The Rauland HSS13 High-Security Call-In Switch is intended for call origination where the speaker/microphone is not used or is located remotely, i.e. in ceiling or high on wall. For use in cells, at door locations or wherever call origination is desired.

A rugged steel actuator activates a momentary switch whose movement is limited by a mechanical stop to pre-

vent damage caused by attempted vandalism.

The HSS8 Emergency Call-In Switch is identical to the HSS13, but incorporates a unique red metal "mushroom" call-in button which actuates with minimum pressure to meet the ADA recommendations.

Unit mounts in standard single-gang backbox; with tamper-proof hardware. (Not provided)

Specifications subject to change without notice.

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