

2500-205 Series

Analog SmartRescue System Base Stations



Reliable communication control for analog AOR systems.

- Area Of Refuge base station for systems with **up to 5 call boxes.**
- Analog home-run architecture simplifies system design.
- Manages communication between call boxes and responders.
- Built-in battery backup maintains operation during power loss.
- Supports call routing and outside communication.
- Compliant with ADA, IBC, NFPA, and UL requirements. ETL listed.



Specifications

	2500-205D	2500-205PSS	2500-205B	2500-205FM
Mounting	Surface Mount	Flush Mount	Cabinet Surface Mount	Cabinet Flush Mount
Dimensions	12.56" x 11.6" x 1.68"	Face: 13.81" x 13.81"	15.07" x 12.0" x 6.0"	Face: 16.11" x 14.0" x 3.0"
		Back Box: 12.56" x 11.6" x 1.68"		Back Box: 15.62" x 12.0" x 3.0"
Weight	10.0 lbs	11.0 lbs	17.0 lbs	20.0 lbs
Enclosure	Stainless Steel Box, Coil Cord		Powder-Coated Steel, Coil Cord	
Wiring Requirements	Home Run Communication To Call Boxes: 22 - 24 AWG 2 Twisted Pair Power Unit: 18 AWG 1 Pair			
Max. Wiring Distance	5100ft Per Cable Run			
Monitoring	Relay Contact Trips If Any Call Box Is Activated			
Power	Built-In Battery Backup Recharges From 120 VAC Power			
Power Input Rating	100 - 120 VAC, 50/60 Hz, 4.0A OR 200 - 240 VAC, 2.0A When Powered By RATH® 2500-PWR24U			
Power Output Rating	24 VDC, 5.0A			
Telephone Line Voltage	45 - 54 VDC			
Communication	Analog (POTS, PBX, or Central Office) Phone Line OR Digital Phone Line, VoIP, or Cellular Gateway			
Environmental	32 -120°F			
Warranty	2 Years			

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Phone Line Requirements

On-Hook Voltage	45 - 54 VDC (Nominally 48 VDC)
Off-Hook Voltage	4 - 8 VDC (Nominally 5 VDC)
Operating Loop Current Range	22 - 29 mA (20 mA Typical)
Dialing	DTMF (Dual Tone Multi-Frequency)
Frequency Response	550 - 3400 Hz, +/- 3 db
Ring Sensitivity	30 - 120 VAC RMS
Operational Loop Impedance	600 ohms
Open Loop Disconnect Signal	@ 500 m/s