

# 2500 Series Base Station

**SmartRescue** Two-Way Communication (Area of Refuge)



## Central hub for managing emergency calls.

- Cost-effective and compliant solution for small setups requiring 10 or fewer call boxes.
- Analog home run wiring for seamless communication between individuals, rescue teams, and offsite contacts.
- Provides connections to call boxes, allows outside communication, call routing control, maintenance of original connections and termination of calls.
- Built-in battery backup ensures reliable operation during power outages.



## Specifications

	Surface Mount		Flush Mount		Cabinet Surface Mount		Cabinet Flush Mount	
Part Number	2500-205D	2500-210D	2500-205PSS	2500-210PSS	2500-205B	2500-210B	2500-205FM	2500-210FM
Maximum Number of Call Boxes	5	10	5	10	5	10	5	10
Dimensions	12.56" H x 11.6" W x 1.68" D (4.36" D with handset)		Face: 13.81" H x 13.81" W (2.67" D with handset) Back Box: 12.56" H x 11.6" W x 1.68" D		15.07" H x 12" W x 6" D		Face: 16.11" H x 14" W x 3" D Back Box: 15.62" H x 12" W x 3" D	
Weight	10 lbs		11 lbs		17 lbs		20 lbs	
Enclosure	Stainless Steel box, Coil cord				Powder-Coated Steel, Coil cord, Twist lock closure with fireman's lock (not provided)			
Wiring Requirement	Home run communication to call boxes: 24 AWG to 22 AWG 2 twisted pair (#RP7500094 or 2 hour fire-rated: #RP6600100M, #RP6600300M) Power unit (#2500-PWR24U): 18 AWG 1 pair (#RP7500094P or 2 hour fire-rated: #RP66010001, #RP66010002)							
Maximum Wiring Distances	5,100' per cable run							
Monitoring	Relay contact that trips if any call box is active Audible Alert: Call starting Passive communication monitor: LED solid - energy call active, LED slow blinking - call on hold							
Power	2500-PWR24U Power Supply, Built-in battery backup recharges from 120 VAC power (allows for a minimum of 4 hours talk time upon loss of power)							
Power Rating	Input Ratings: 100 VAC to 120 VAC, 50/60Hz, 4.0A or 200 VAC to 240 VAC, 50/60 Hz, 2.0 A when powered by 2500-PWR24U							
Output Rating	24 VDC, 5A							
Telephone Line Voltage	24 V to 48 V							



Rev Sep 25

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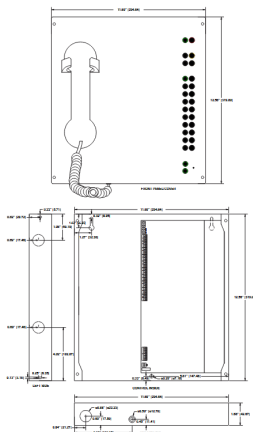
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## Specifications

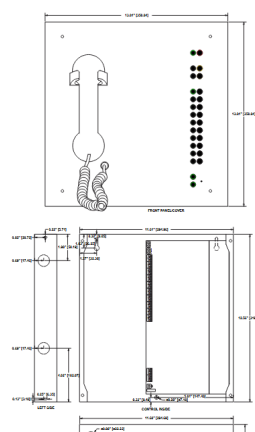
	Surface Mount		Flush Mount		Cabinet Surface Mount		Cabinet Flush Mount	
Part Number	2500-205D	2500-210D	2500-205PSS	2500-210PSS	2500-205B	2500-210B	2500-205FM	2500-210FM
Communication Options	Analog phone line from POTS, PBX or central office Or digital phone line, Cellular gateway or VoIP gateway (this must be converted to analogue and cable of supporting modem modulated devices before connecting) *Ring-down style phone lines are not supported							
Phone Line Requirements	<b>Phone line voltage:</b> On-hook 24 VDC to 70 VDC (nominally 48 VDC) <b>Phone line voltage:</b> Off-hook 8 VDC to 20 VDC (nominally 14 VDC) <b>Operating loop current range:</b> 18 mA to 55 mA (20 mA typical) <b>Dialing:</b> DTMF (Dual Tone Multi-Frequency) <b>Frequency response:</b> 550 Hz to 3400 Hz, +/- 3 db <b>Ring sensitivity:</b> 30 VAC to 120 VAC RMS <b>Operational loop impedance:</b> 600 ohms <b>Open-loop disconnect signal:</b> @ 500m/s							
Environmental	32°F to 120°F							
Warranty	2 years							
Code Compliance	NFPA 72, IBC/ICC, ADA, Section 6.4 of UL 60950-1, UL Standard 2017 for Attendant Monitored Signaling Devices, ETL Listing Number: 5013373							

**Compatible with the Following:** RATH SmartRescue call boxes (2100 Series) and RATH 2500-PWR24U Power Supply

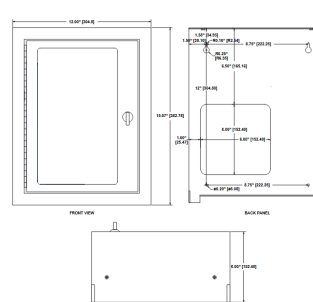
### 2500-205D and 2500-210D



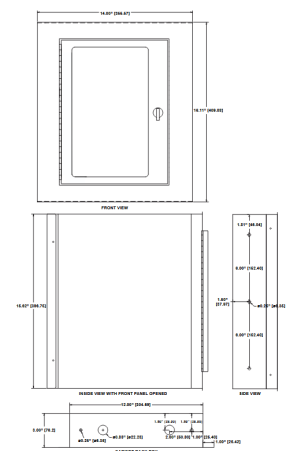
### 2500-205PSS and 2500-210PSS



### 2500-205B and 2500-210B



### 2500-205FM and 2500-210FM



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