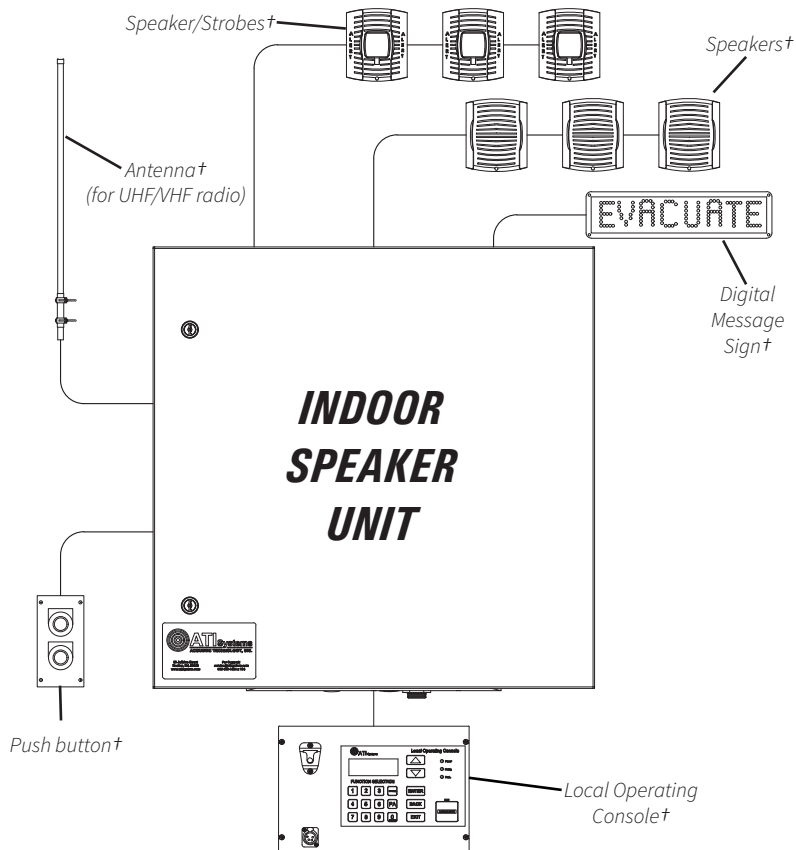


# Indoor Speaker Unit

ATI's Indoor Speaker Unit (ISU) combines our highly configurable Remote Terminal Unit (RTU) with 400 Watts (optional upgrade to 800 Watts) of audio output power for the delivery of reliable alert tone notification, pre-recorded messages and public address in emergency situations. It is capable of driving multiple zones of audible and visual alerts such as speakers and strobes. The unit is monitored, controlled, and activated by an ATI central control unit, such as the REACT5000, or can operate standalone using the Local Operating Console (LOC) option.\*

ISUs can support multiple simultaneous communication paths to ATI control units to provide the most robust, reliable notification system available. In addition, our ISUs include battery backup systems as AC power is often lost during an emergency.\*

Integration with external Public Address (PA), Fire Alarm Control Panel (FACP), and/or Heating, Ventilation, and Air Conditioning (HVAC) systems is made simple using our flexible, configurable interface.\*



Example of an Indoor Speaker Unit Installation\*



## Key Features

- Unique, highly-efficient Class D amplifier offers exceptional acoustic performance and intelligibility
- 400 (optional upgrade to 800) Watts of audio output power
- 25 volt and 70 volt audio output lines for driving long speaker wire runs with minimum losses
- Can deliver audio and visual alerts including speakers, strobes and digital message signs\*
- Supports 60 minutes of continuous activation
- Built-in tone generator providing 10 standard, pre-configured tones; up to 255 pre-recorded voice messages and 100 hours of recording time
- Local and remote testing and reporting with silent test option
- Very low standby power requirements
- Message encryption and security coding prevent unauthorized system activations
- Conformal-coated printed circuit boards for operating in harsh environments
- Flexible, redundant communication options including IP/Ethernet, UHF/VHF radio, twisted pair/phone-line, cellular, satellite\*

\*Additional hardware/firmware may be required  
†Sold separately

# ISU SPECIFICATIONS

Physical Attributes				
	Standard Enclosure		NEMA-4/3R Enclosure (Upgrade)*	
Length	23.625"		28"	
Width	23.625"		22"	
Depth	10"		15"	
Weight (without radio/batteries)	96lbs (400Watt)	102 lbs (800Watt)	96lbs (400Watt)	102 lbs (800Watt)
Environmental Characteristics				
Operating Temperature	-40 to +55°C			
Humidity	0 to 95%, non-condensing			
Electrical/Power Characteristics				
	400 Watt Amplifier		800 Watt Amplifier	
Supply voltage	120VAC 60Hz	240VAC 50Hz	120VAC 60 Hz	240VAC 50Hz
Supply current, max	3.5 A	2.0 A	3.5 A	2.0A
Standby current	<550mA, typical §			
Standby time without AC	>3 days §			
Max activation time	60 minutes (steady tone, full power) §			
Radio power supply	12V DC, 12A maximum*			
Communication I/O				
Communication to ATI units	IP (Ethernet), (UHF/VHF) radio, fiber, satellite, DSL, and cellular modem*			
RS485/RS232 port	1, maximum (either RS485 or RS232)*			
Signaling opto inputs	8, maximum* (configurable)			
Signaling relay outputs	8, maximum* (configurable)			
Audio out (for PA or FACP)	configurable 300/600 ohm balanced or unbalanced*			
Pre-recorded Messages/Tone Characteristics				
Number of alert tones	10 pre-configured alert tones			
Number of recorded messages	255, maximum			
Recording time, maximum	100 hours (depends on recording content)			
Amplifier Characteristics				
	400 Watt Amplifier		800 Watt Amplifier	
Speaker/Strobe Zones	4, unmonitored, max (2, monitored, max*)			
Output voltage	25 V or 70 V			
Max power (audio/strobe)	400 W RMS		800 W RMS	
Audio Bandwidth	250 Hz - 5 kHz			
Output regulation	< 1dB, no load to full load			

All information and specifications are subject to change without notice, and may contain typographical or other errors.

§ Assumes 2 - 33AH batteries, using radio communication, and 1 LOC\*

\*Additional hardware/firmware may be required.