

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 made simple using our flexible, configurable interface.*

KEY FEATURES

- Unique, highly-efficient Class D amplifier offers exceptional acoustic performance and intelligibility
- 400 (optional upgrade to 800) Watts of audio output power
- 25V and 70V 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), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular*

*Additional hardware/firmware may be required

Physical Attributes

	Standard Enclosure		NEMA-4/3R Enclosure upgrade*	
Length	23.625"		28"	
Width	23.625"		22"	
Depth	10"		15"	
Weight (without radio/batteries)	96 lbs (400W)	102 lbs (800W)	96 lbs (400W)	102 lbs (800W)

Environmental Characteristics

Temperature	-40 to +55°C
Humidity	0 to 95% non-condensing

Electrical Characteristics

	400W Amplifier		800W Amplifier	
Supply Voltage	120VAC 60Hz	240VAC 50Hz	120VAC 60Hz	240VAC 50Hz
Supply Current max	5A	3A	5A	3A
Standby Current	< 550mA typical §			
Standby Time (without AC)	> 3 days §			
Activation Time max	60 minutes (steady tone, full power) §			
Radio Power Supply	12V DC, 12A max*			

Communication I/O

Communication (to ATI units)	IP (Ethernet), radio (UHF/VHF), fiber, twisted pair/phone-line, satellite, and cellular
RS485/RS232 Port	1 max (either RS485 or RS232)*
Signaling Inputs	8 max (configurable)*
Signaling Outputs	8 max (configurable)*
Audio Out (for PA or FACP)	Configurable 300/600 ohm balanced or unbalanced*

Pre-Recorded Messages/Tone Characteristics

Alert Tones	10 pre-configured alert tones
Recorded Messages	255 max
Recording Time max	100 hours (depends on recording content)

Amplifier Characteristics

	400W Amplifier	800W Amplifier
Speaker/Strobe Zones	4 unmonitored max, 2 monitored max*	
Output Voltage	25V or 70V	
Power max (audio/strobe)	400W RMS	800W RMS
Audio Bandwidth	250Hz to 5kHz	
Output Regulation	< 1dB no load to full load	

* Additional hardware/firmware may be required. § Assuming 2 - 33AH batteries with radio communication and 1 LOC