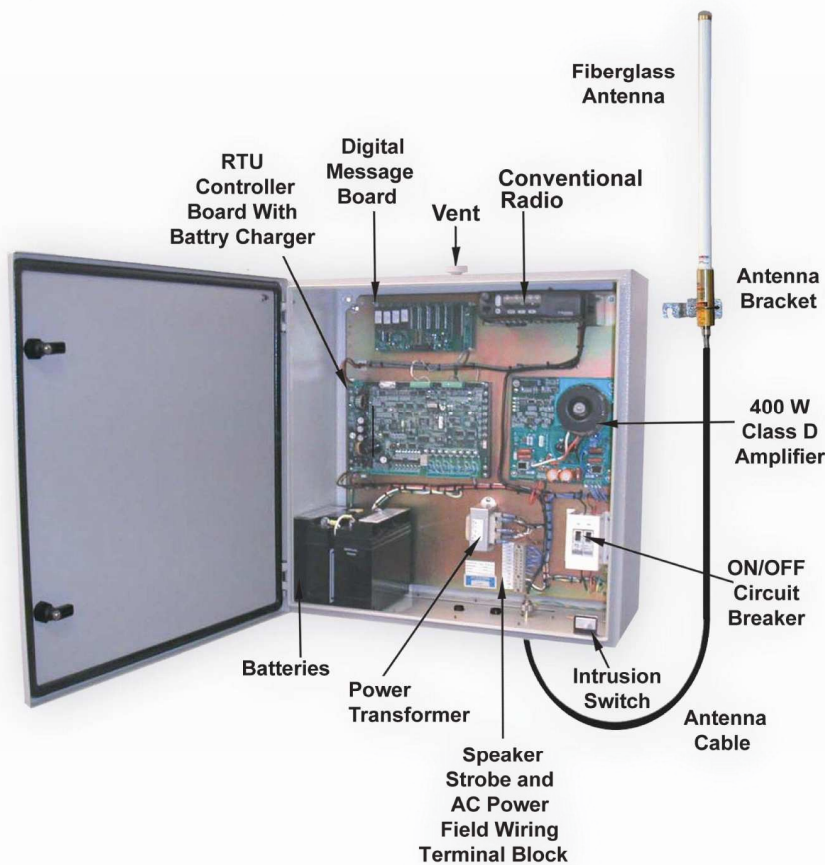


Indoor Speaker Unit

The Indoor Speaker Unit (ISU) is an integral part of the ATI system. The ISU provides 400 Watts of continuous audio output power for reliable indoor alert tone notification, voice instruction and public address in emergency situations. The ISU is monitored, controlled and activated by the ATI Central Control Unit (CCU).

Standard Equipment

- NEMA-4/3R enclosure
- Remote Terminal Unit (RTU) controller board
- Temperature-compensated battery charger
- Power on/off circuit breakers and intrusion switch
- 400 Watt Class D Amplifier
- Conventional VHF or UHF radio and mounting hardware
- 25 volt and 70 volt audio output line for driving long speaker wire runs with minimum losses



Key Features

- Simple and compact hardware design
- Field-proven reliability
- Exceptional acoustic performance and intelligibility
- Unique, compact and highly-efficient Class D amplifier
- 400 Watts of continuous audio output power
- Supports 30 minutes of continuous activation
- Built-in tone generator providing for eight standard, pre-configured tones
- 127 pre-recorded voice messages, up to 30 minutes of recording time
- Local and remote testing and reporting with silent test option
- Standard VHF and UHF radio receives and transmits FSK, DTMF and Two Tone Sequential (TTS) data signals
- Automatic gain control for consistent output volume
- Very low standby power requirements
- Message encryption and security coding prevent unauthorized system activations
- Conformal-coated printed circuit boards for operating in harsh environments
- Temperature-compensated battery charger ensures batteries are at full capacity
- Meets UFC and FEMA requirements

Optional Features

ATI Systems offers fully customizable solutions, including the following features:

- Custom alert tones and digital messages
- Advanced Communication Board upgrade to MP3/WAV digital voice messaging and Mini-SD flash memory card for easy message replacement, supports 255 messages and over 100 hours of recording time
- Local control panel upgrade with microphone, LCD display and controls
- Trunked radio upgrade
- Flexible, redundant communication options including IP, Ethernet, twisted pair/phone line, cellular, satellite
- Antenna surge protector option
- Strobe light and LED sign output options
- Choice of speaker type and configuration
- NEMA-4/3R stainless steel enclosure upgrade

Specifications for Model # ISU

General	
Operation	Tested and proven in harsh environments
Humidity	0 to 95%, non-condensing
Standby without AC	3 days
Maximum Alarm Duration	30 minutes
Enclosure Weight	96 lbs (without batteries)
Enclosure Size	23"H x 23"W x 10"D
Electrical	
AC Input Voltage	120 VAC or 240 VAC 50/60 Hz
Maximum Operating Current	3.5 Amps at 120 VAC or 2 Amps at 240 VAC
Communication	
Signaling Method	FSK, DTMF, TTS
Radio Output Power	1 to 25 Watts
Amplifier	
Audio Output Power	400 Watts RMS
Audio Bandwidth	250 Hz – 5 kHz
Class of Operation	Class D
Output Regulation	< 1 dB, no load to full load
Operating Voltage Range	21 to 32 VDC
Protection	Protected against primary over current, output over current or shorts and output voltage spikes
Controller	
Local Testing	Six pushbuttons for local testing
Radio Interface	Universal radio interface and power connectors
Expansion Ports	RS485, RS232
Other Ports	Interface port for up to two Digital Message Boards
Other Features	Built-in AGC circuit, tone generator and digital adjustable audio gain
Standby Power without Radio	< 200 milliamperes
Batteries	
Requires two 12VDC, 17 Amp-Hour batteries	

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