SP2

Zone 2 Stations

Features

- Multicast VoIP technology
- Serverless Architecture
- Full Duplex Communication
- Five Party Lines
- Five Paging Zones
- AC (120/240v) Operation
- Efficient 30 Watt Class D Amplifier
- Ambient Level Sensing (ALS)
- Remote Terminal Unit (RTU) Operation for Input/ Output Applications
- Remote Monitoring

Options

- Five Paging Zones
- Hazardous Area Approvals
- Handset or Speaker Amplifier Station
- Auxiliary Jack for Headset Operation
- CAT5/5E or Fiber Optic Network Connection

Handset Station

Amplifier Station

SP2 is one of GAI-TRONICS' most advanced paging and intercom systems. Combining the simplicity of "press to page, release to party" operation with cutting-edge multi-cast Voice over Internet Protocol (VoIP) technology, SP2 is capable of providing virtually instant communication in the most demanding of environments.

SP2 is a serverless system. While other systems rely on servers to route calls and administrate the system, SP2 uses multicast technology, bypassing the need for servers and resulting in a number of benefits.

SP2 is fast. Since no server is needed to set up call routing and conference bridges, SP2 can provide immediate one way paging and full-duplex "party line" communication.
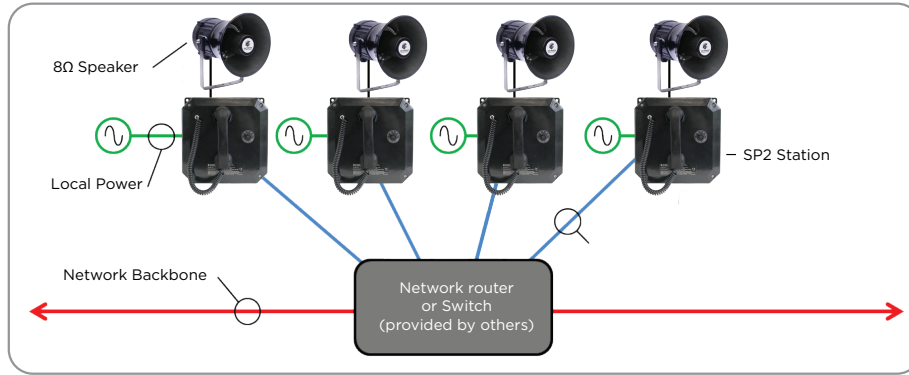
P2 is simple. No keypad, no extensions to memorize. Simply lift the handset, select a paging zone, squeeze the handset pressbar and make an announcement over the system speakers. Release the pressbar and talk on one of the five available party lines.

SP2 is reliable. There are no servers to fail or need updates. SP2 will also notify you of any problems via e-mail.

SP2 is flexible. Every SP2 station is capable of being configured with unique characteristics, including priority, zone destinations, volume levels and so on. Indoor, weath-erproof and hazardous area stations with worldwide approvals are available, ensuring that SP2 can be used everywhere it's needed.

Typical Block Diagram

Zone 2 SP2 Part Numbers

| 9 | 2 | X | — | X | X | X | X | 3 | X | 3 |

Outdoor Wall-mount

Party Lines:
0 - Amp Only
5 - Multi-party

Station Type:
1 - AC Handset
3 - AC Amplifier

Connection/Control:
2 - Ethernet
B - Fiber
Fiber optic stations require a suitable SFP module.

Handset:
0 - None
1 - 6' PVC
2 - 15' PVC
3 - 25' PVC
4 - 6' Hytrel®

Approval:
H - IEC Zone 2

Finish

Options:
0 - No Options
A - Trop TR

Gland Plate

Specifications

Electrical

Supply Voltage . . . . 120/240 V ac
Input frequency range . . . . .50/60 Hz
Network Requirements . . . . 100Base T network with IGMPSpecification

Handset

Microphone . . . . .Dynamic, noise-cancelling
Microphone Noise Discrimination . . . . 18dB @ 250HzSpecification
Receiver . . . . Dynamic, hearing aid compatible
Material . . . . ABS
External Control . . . . .Push-to-page handset pressbar

Speaker Amplifier

Max Output . . . . 30W into 8Ω load

Mechanical

Construction . . . . .Black carbon-loaded, glass-reinforced PolyesterSpecification
Dimensions (overall). . . . . 11.81 H x 11.81 W x 7.48 D inches (300 x 300 x 190 mm)
Temperature Range . . . . -22°F to +140°F (-30°C to +60°C)
Relative Humidity . . . . .95%, non-condensing

Network Connection

CAT5/5E Stations . . . . .Screw Terminals
Fiber Optic Station . . . . Standard SFP Port

Approvals

CE Mark . . . .
DEMKO 10 ATEX 1010664x. . . Class I, Division 2, Groups A, B, C, D and II 3 D Ex ic tb IIIC T135°C Dc IP66
SECEx UL 10.0038x . . . . Ex ic nA IIC T4 Gc and Ex ic tb IIIC T135°C Dc IP 66

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