

## Algo 8190S IP Speaker Clock & Visual Alerter



Product Name: Algo 8190S IP Speaker Clock & Visual Alerter

Manufacturer: Algo

Model Number: Algo-8190S

Algo 8190S IP Speaker & Clock & Visual Alerter

The Algo PoE+ 8190S SIP Speaker & Clock & Visual Alerter is designed to serve as an ideal IP paging speaker for various settings, including classrooms and commercial public address (PA) systems. Notably, this speaker functions as a fully compliant 3rd party SIP endpoint, ensuring seamless compatibility with a wide range of hosted/cloud and premise-based VoIP telephone systems.

Algo 8190S IP Speaker & Clock & Visual Alerter:

- Public address (PA) IP speaker.
- Secure SIP using TLS and SRTP.
- Multicast scalable.
- Four-speaker line array.

The Algo PoE+ 8190S SIP Speaker & Clock & Visual Alerter provides wideband HD voice, dynamic volume control, talkback capability, and customisable alerts. With a high visibility clock and four color LEDs, it ensures enhanced situational awareness. Easy configuration via web interface or auto-provisioning and PoE+ support make it efficient. Ideal for classrooms, waiting areas, government offices, transport terminals, and break rooms, it offers superior audio and communication capabilities.

Algo-8190S Technical Specifications

Power

- POWER INPUT: Type 2 PoE+ (IEEE 802.3at Class 0) 48V, 25.5W
- MAX POWER: 25.5 W
- IDLE POWER: 5-8 W, depending on time displayed on clock

SIP

• SIP EXTENSIONS:

- 1 Page/Intercom (Capable of hands-free talkback)
- 10 Emergency Alert
- 10 Ring

• SIP SIGNALLING/TRANSPORT PROTOCOLS: UDP, TCP, TLS, RTP, SRTP

- Multicast + Third-Party Compatibility
- Receive only RTP Multicast (50 Zones)
- Receive only Polycom Group Page
- Singlewire InformaCast (additional license required)

Configuration & Provisioning

- CONFIGURATION: Web interface or provisioning server
- WEB INTERFACE: HTTP, HTTPS
- PROVISIONING: TFTP, FTP, HTTP, HTTPS
- DHCP Options 66, 150, 160
- Reboot via SIP 'check-sync'
- SUPERVISION: Compatible with any third-party SNMP monitoring software or the Algo 8300 Controller

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### Networking

- NETWORKING: IPv4, DHCP, VLAN
- LINK LAYER: LLDP, CDP
- QOS: DSCP (SIP, RTP, RTCP)
- NAT: STUN, TURN, CRLF Keep Alive, SIP Outbound
- ADDRESS RESOLUTION: DNS, SRV Record
- REDUNDANCY: Secondary and tertiary SIP server
- TIME: NTP Server (up to four)

### Audio

- SPL: 98 dBA at 1m
- DISPERSION ANGLE: 100 - 15,000 Hz +/- 3dB
- MICROPHONE: Omnidirectional - talkback and ambient noise monitoring
- AUDIO CODECS: G.711 u-law, G.711 A-law, G.722 Wideband
- AUDIO MEMORY: 1 GByte audio storage

### Optical (For 8190S model only)

- 4 Colors Red, Blue, Green, Amber
- 12 LEDs of each color
- 10 Patterns \* 3 Brightness Levels

### Input/Output

- RELAY INPUT: Normally open or normally closed dry contact supervision using Algo 1202 Call Button, 1203 Call Switch, 1204 Volume Control or EOL resistor termination
- BUILT-IN CALL BUTTON
- RELAY OUTPUT: Max 30 V 50 mA (normally open)
- Relay Input Current Draw Detection Thresholds:
  - NORMALLY OPEN: >4mA (Active),
  - NORMALLY OPEN WITH SUPERVISION: >20mA (Active), 4-20mA (Idle),
  - NORMALLY CLOSED: 4mA (Idle), N/A (Tamper)
  - NORMALLY CLOSED WITH SUPERVISION: 4-20mA (Active), >20mA (Idle),

- NOMINAL 12V SOURCE, CURRENT LIMITED TO 40MA
- Typical supervision resistor value = 1k ohm

### Environmental & Mechanical

- ENVIRONMENTAL: 0 to + 40°C (32 to 104°F); 10-95% RH non-condensing. Dry indoor locations only
- DIMENSIONS (PRODUCT): 16" x 8.25" x 3" (40.7cm x 21.0cm x 7.6cm)
- WEIGHT (PRODUCT): 5.2 lbs (2.4 kg)
- WEIGHT (SHIPPING): 7.2 lbs (3.3 kg)

### Compliance

- RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA & Canada), EN60950

## Algo 8190S IP Speaker Clock & Visual Alerter

**Price: £1,159.10**

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