# 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 &ndash; Clock &amp; Visual Alerter
The Algo PoE+ 8190S SIP Speaker &ndash; Clock &amp; 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 &ndash; Clock &amp; Visual Alerter:

ï¿½ Public address (PA) IP speaker.
ï¿½ Secure SIP using TLS and SRTP.
ï¿½ Multicast scalable.
ï¿½ Four-speaker line array.

The Algo PoE+ 8190S SIP Speaker &ndash; Clock &amp; 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

ï¿½ POWER INPUT: Type 2 PoE+ (IEEE 802.3at Class 0) 48V, 25.5W
ï¿½ MAX POWER: 25.5 W
ï¿½ IDLE POWER: 5-8 W, depending on time displayed on clock

SIP

ï¿½ SIP EXTENSIONS:

ï¿½ 1 Page/Intercom (Capable of hands-free talkback)
ï¿½ 10 Emergency Alert
ï¿½ 10 Ring

ï¿½ SIP SIGNALLING/TRANSPORT PROTOCOLS: UDP, TCP, TLS, RTP, SRTP
ï¿½ Multicast + Third-Party Compatibility
ï¿½ Receive only RTP Multicast (50 Zones)
ï¿½ Receive only Polycom Group Page
ï¿½ Singlewire InformaCast (additional license required)

Configuration &amp; Provisioning

ï¿½ CONFIGURATION: Web interface or provisioning server
ï¿½ WEB INTERFACE: HTTP, HTTPS
ï¿½ PROVISIONING: TFTP, FTP, HTTP, HTTPS
ï¿½ DHCP Options 66, 150, 160
ï¿½ Reboot via SIP 'check-sync'
ï¿½ SUPERVISION: Compatible with any third-party SNMP monitoring software or the Algo 8300 Controller

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Networking

ï¿½ NETWORKING: IPv4, DHCP, VLAN
ï¿½ LINK LAYER: LLDP, CDP
ï¿½ QOS: DSCP (SIP, RTP, RTCP)
ï¿½ NAT: STUN, TURN, CRLF Keep Alive, SIP Outbound
ï¿½ ADDRESS RESOLUTION: DNS, SRV Record
ï¿½ REDUNDANCY: Secondary and tertiary SIP server
ï¿½ TIME: NTP Server (up to four)

Audio

ï¿½ SPL: 98 dBA at 1m
ï¿½ DISPERSION ANGLE: 100 - 15,000 Hz +/- 3dB
ï¿½ MICROPHONE: Omnidirectional - talkback and ambient noise monitoring
ï¿½ AUDIO CODECS: G.711 u-law, G.711 A-law, G.722 Wideband
ï¿½ AUDIO MEMORY: 1 GByte audio storage

Optical (For 8190S model only)

ï¿½ 4 Colors Red, Blue, Green, Amber
ï¿½ 12 LEDs of each color
ï¿½ 10 Patterns * 3 Brightness Levels

Input/Output

ï¿½ 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
ï¿½ BUILT-IN CALL BUTTON
ï¿½ RELAY OUTPUT: Max 30 V 50 mA (normally open)
ï¿½ Relay Input Current Draw Detection Thresholds:

ï¿½ NORMALLY OPEN: &gt;4mA (Active),
ï¿½ NORMALLY OPEN WITH SUPERVISION: &gt;20mA (Active), 4-20mA (Idle),
ï¿½ NORMALLY CLOSED: 4mA (Idle), N/A (Tamper)
ï¿½ NORMALLY CLOSED WITH SUPERVISION: 4-20mA (Active), &gt;20mA (Idle),


ï¿½ NOMINAL 12V SOURCE, CURRENT LIMITED TO 40MA
ï¿½ Typical supervision resistor value = 1k ohm

Environmental &amp; Mechanical

ï¿½ ENVIRONMENTAL: 0 to + 40&deg; C (32 to 104&deg; F); 10-95% RH non-condensing. Dry
indoor locations only
ï¿½ DIMENSIONS (PRODUCT): 16" x 8.25" x 3" (40.7cm x 21.0cm x 7.6cm)
ï¿½ WEIGHT (PRODUCT): 5.2 lbs (2.4 kg)
ï¿½ WEIGHT (SHIPPING): 7.2 lbs (3.3 kg)

Compliance

ï¿½ RoHS, CE, FCC Class A, CISPR 22 Class A, CISPR 24, CSA/UL (USA &amp; Canada),
EN60950

## Algo 8190S IP Speaker Clock & Visual Alerter

**Price: £1,159.10**