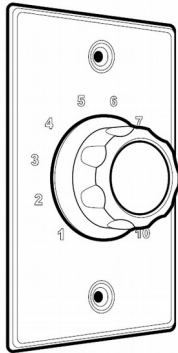


1204 Volume Control Switch GETTING STARTED SHEET



Need Help?

(604) 454-3792 or support@algosolutions.com

About the 1204 Volume Control Switch

The 1204 is a ten-position rotary volume control installed in a single gang faceplate that connects to the "Relay Input" port on compatible Algo SIP Endpoints. This switch allows the user to control the volume of announcements, tones, and music in progress without the need to access the web interface. The rotary control can be set to one of ten positions, including 1 (mute) and 10 (maximum) volume settings.


The 1204 Volume Control Switch position is read by the SIP Endpoint and is also fully supervised for disconnect or wiring faults. This input has the ability to measure external impedance, which allows for supervision of connected devices and also detection of states well beyond an open or closed switch.

Compatibility

The 1204 is compatible with the following Algo endpoints (running firmware v1.3 or higher):

- 8180 SIP Audio Alerter (G2)
- 8186 SIP Horn Speaker
- 8188 SIP Ceiling Speaker
- 8189 SIP Speaker Surface Mount
- 8190 SIP Speaker/Clock
- 8301 SIP Paging Adapter

Getting Started – Quick Install & Test

 *This guide provides important safety information which should be read thoroughly before permanently installing the product.*

1. Install a compatible Algo speaker/paging adapter by following its installation guide. Available online from www.algosolutions.com
2. Install the 1204 by connecting a single pair twisted 24 AWG wire to its terminal block (not polarity sensitive) and wire it to the Relay Input on the Algo SIP Endpoint's terminal block. The 1204 may be up to 1000 feet (300m) from the Algo IP endpoint when connected with a single pair 24 AWG wire. In practice, this will often be one pair from a 4 pair CAT5/CAT6 cable however any existing telephone twisted wire pair is suitable.

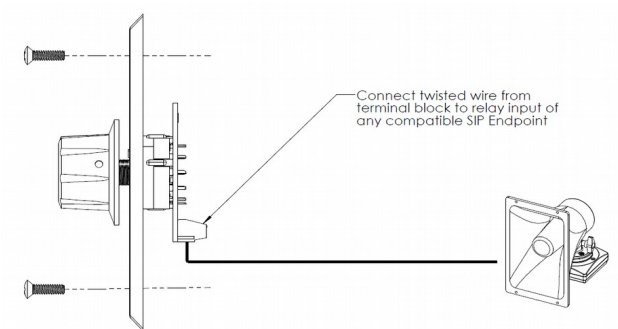
ESD Notice:

Electrostatic discharge to the 1204 Volume Control Switch will be conducted into the host IP endpoint if the electrical box is not grounded. If grounding the electrical box is not feasible or the electrical box is not conductive then either input terminal (Relay Input/SW) to the host IP endpoint may be connected to Earth ground. This connection may be made with a 24 AWG wire since it serves to bleed away static charge rather than conducting the ESD discharge to ground.

In certain cases there is no requirement for additional grounding. ESD protection and static discharge is built in to the following products if connected to a ground referenced network switch with static charge dissipation. Earlier manufactured products require ground protection at the 1204 switch or relay input.

8301	<i>Rls 13 or later manufactured after May 2019</i>
8180G2	<i>Rls 01 or later manufactured after Oct 2018</i>
8186	<i>Rls 14 or later manufactured after Jul 2019</i>
8188	<i>Rls 14 or later manufactured after Oct 2019</i>
8189	<i>Rls 07 or later manufactured after early 2020</i>
8190	<i>Rls 01 or later manufactured after Feb 2019</i>

ESD testing with a Cisco Catalyst 2960S-24PS-L at +/- 20kV yielded good results without grounding. Network switches with external power supplies (even if chassis grounded) should not be used with the 1204 Volume Control Switch unless the switch plate or IP endpoint is also grounded.



1. Configure the SIP Endpoint to work with the 1204. Access the endpoint's web interface and navigate to Additional Features -> Input/Output. Set Relay Input Mode to "Algo 1204 Volume Control Switch/with Supervision" and save changes.
2. If "Algo 1204 Volume Control with Supervision" selected in step 3, configure the action to be taken when a tamper is detected under the "Action When Tamper Detected" section.
3. Save changes by clicking the "save" button located at the bottom right of the page.

Important Safety Information

DRY INDOOR LOCATION ONLY

The 1204 Volume Control Switch is intended for indoor dry locations only. For outdoor locations, Algo offers weatherproof speakers and strobe lights.

CAT5 or CAT6 connection wiring to an IEEE 802.3at PoE+ or 802.3af compliant network PoE switch must not leave the building perimeter without adequate lightning protection. No wiring connected to the 1204 may leave the building perimeter without adequate lightning protection.