



PAGASYS GEN II EXi Intrinsically Safe Access Panels and Microphone Stations

Models: AP7 and AP8

Description and Installation Manual

Limited Warranty

This product is subject to and covered by a limited warranty, a copy of which can be found at www.fedsig.com/SSG-Warranty. A copy of this limited warranty can also be obtained by written request to Federal Signal Corporation, 2645 Federal Signal Drive, University Park, IL 60484, email to info@fedsig.com or call +1 708-534-3400.

This limited warranty is in lieu of all other warranties, express or implied, contractual or statutory, including, but not limited to the warranty of merchantability, warranty of fitness for a particular purpose and any warranty against failure of its essential purpose.



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1.0 Safety Messages

⚠ WARNING

It is important to follow all instructions shipped with this product. This device is to be installed by trained personnel who are thoroughly familiar with the country electric codes and will follow these guidelines as well as local codes and ordinances, including any state or local-noise control ordinances.

The selection of the device's mounting location, controls, and wiring routing is to be accomplished under the direction of the facilities engineer and the safety engineer. In addition, listed below are some other important safety instructions and precautions you should follow:

- Read and understand all instructions before installing or operating this equipment.
- Disconnect the unit from the power supply before performing any installation or maintenance.
- Establish a procedure to check the installation for integrity and proper operation routinely.
- The product marking, which may contain cautionary or other information of importance to maintenance personnel, should not be obscured in any way.
- Any maintenance to the unit must be performed by properly trained personnel.
- Any maintenance to the unit must be done with the power turned off.
- Do not service the unit when a hazardous atmosphere is present.
- Never alter the unit in any manner. Safety may be endangered if alterations are made to the unit.
- Only factory-provided service parts are to be used. Only these components have been verified and certified for use in hazardous areas.
- No repairs or modifications are to be made to the ACCESS PANELS and microphone stations, as this will invalidate the certification.
- After installing or servicing the unit, test it to ensure it operates properly.
- After testing is complete, provide a copy of this instruction sheet to all operating personnel.
- To reduce the risk of electrostatic discharge, wipe the unit with a damp cloth only.
- Electrical connections are to be made to the Federal Signal Model P-IS-BARRIER-G. This Zener Barrier type equipment is coded [Ex ib Gb] IIB. It is covered by certificates Baseefa 18ATEX0112X and IECEx BAS 18.0073X. These certificates are related and should be reviewed before installation.

Failure to follow all precautions may cause property damage, serious injury, or death.

1.1 Hazard Classification

Federal Signal uses signal words to identify the following:

▲ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

▲ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

▲ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Read and understand the information contained in this manual before attempting to deploy or service the siren.

Pay careful attention to notices located on the equipment.

2.0 Product Overview

The Models AP7 and AP8 are intrinsically safe Access Panels and microphone stations that provide remote audio and alarm initiation when connected to a main communication and alarm system. These models use a metal enclosure that can be a desk-mounted console or a wall-mounted box. The pushbuttons, indicators, and microphone are fitted to the front panel or lid and connected to the PCBs and output terminals inside the housing.

3.0 Unpacking the Product

After unpacking the product, examine it for damage that may have occurred in transit. If the product has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier stating the extent of the damage. Carefully check all envelopes, shipping labels, and tags before removing or destroying them. If any parts are missing, please call 1-800-524-3021 or email TechSupport@fedsig.com.

4.0 Certification

Models	AP7, AP8
Certified To	EN60079-0:2018, EN60079-11:2012
Certified To	IEC60079-0: Ed.7, IEC60079-11:2011, Ed.6
Certificate No	Baseefa18ATEX0113X, IECEx BAS 18.0074X
ATEX Coding	Ⓔ II 2G
ATEX Protection	Ex ib Gb T4 IIB (-20°C ≤ Ta ≤ +55°C)

5.0 Special Conditions for Safe Use

Follow the special conditions for safe use:

- The PAGASYS GEN II Access Panels are to be connected to a P-IS-BARRER-G, terminal blocks TB2 and TB3, located in the non-hazardous area, via Type A or B cables (with parameters not exceeding those given in this manual) as defined in EN 60079-14.
- The PAGASYS GEN II Access Panels are intended for desktop or rack mounting and bonding to earth must be achieved when correctly installed.

6.0 Input Parameters

Terminals 1, 2, 5, 6, 7, 8 wrt 3

$$U_i = 8.6 \text{ V}$$

$$I_i = 100 \text{ mA}$$

$$P_i = 215 \text{ mW}$$

$$C_o = 55 \text{ }\mu\text{F}$$

$$L_o = 14.22 \text{ mH}$$

Terminals 4 wrt 3

$$U_i = 15.02 \text{ V}$$

$$I_i = 309 \text{ mA}$$

$$P_i = 1.16 \text{ W}$$

$$C_o = 3.55 \text{ }\mu\text{F}$$

$$L_o = 2.97 \text{ mH}$$

7.0 Electrical Connections

Refer to Figure 1.

8.0 Getting Technical Support

For technical support, contact:

Federal Signal
Technical Support
Phone: 800-524-3021 or 708-534-4790
Email: techsupport@fedsig.com
www.fedsig.com

Figure 1 Electrical Connections

