

VINGTOR STENTOFON

Exigo Public Address & General Alarm System User Guide for Access Panels



About this Document

Document Scope

This document provides relevant information on how to use the Access Panels for the Exigo Public Address & General Alarm System.

Publication Log

Rev.	Date	Author	Comments
1.0	5.2.2015	HKL	Published
1.1	22.6.2020	HKL	PAM1H Mic

Related Documentation

Doc. no.	Documentation
A100K11460	Exigo Technical Manual - Oil & Gas and Marine Applications
A100K11510	Exigo System Description
A100K11579	Exigo Industrial Access Panels Mounting
A100K11499	Exigo Ex Access Panels Installation & Maintenance

Marine & Offshore Regulations

Codes & Standards

The Exigo PAGA system is tested and certified in accordance with:

- **IMO Resolution A.1021(26):** “Code on Alerts and Indicators”
- **IMO Resolution MSC.212(82):** “Adoption of Amendments to the International Life Saving Appliance (LSA) Code”
- **LSA Code:** “Life Saving Appliance Code”:
 - Chapters: 7.2.1 and 7.2.2
- **MSC/Circ.808 (1997):** “Recommendation on Performance Standards for Public Address on Passenger Ships, Including Cabling”
- **SOLAS:** “International Convention for the Safety of Life at Sea”
 - Chapters: II-1, II-2 and III
- **MODU CODE (2010):** “Code for the Construction and Equipment of Mobile Offshore Drilling Units”
- **IACS: UI SC145(1998):** “International Association of Classifications Societies, Unified Interpretation of SOLAS”

Type Approvals

The Exigo system has the following type approval certificates:

- **DNV GL:** Certificate no. A-13830

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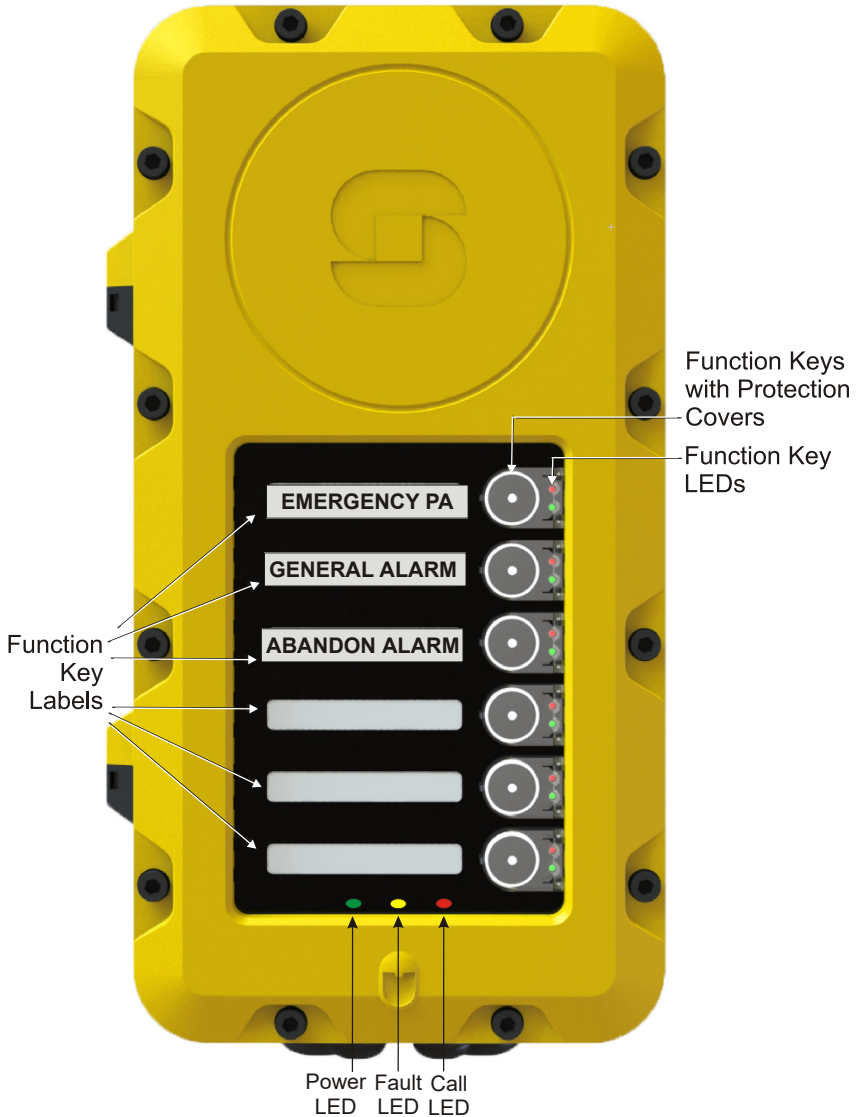
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1 Exigo Access Panels

This document contains descriptions on how to use the access panels for the Exigo Public Address & General Alarm System.

1.1 Access Panel

Outdoor Access Panel





Microphone Connector Socket

Both the handheld or gooseneck microphone can be plugged into this socket.

Function Keys

Functions such as PA, alarms, zone selection, etc. can be dynamically programmed into these keys

Key Protection Covers

The protection covers are for preventing accidental use of the function keys. When keys are used for alarms, protection covers are required so as to force a 2-step action for activating the alarms.

Function Key LEDs

Each function key has one green and one red LED to indicate different status information related to the function.

PTT (Push-To-Talk) Key

The PTT key is used in conjunction with the gooseneck microphone when making PA broadcasts.

Power LED

The **green** Power LED is lit to indicate that the access panel is powered up.

Fault LED

The **yellow** Fault LED blinks to indicate that there are faults in the system.

Call LED

The **red** Call LED is lit when the microphone is in use or active.

Dimmer

The intensity of the backlight in the keys can be adjusted by pressing the dimmer button . The light intensity is increased or decreased by pressing the plus (+) or minus (-) side of the dimmer button respectively.

Volume Control

The volume can be adjusted by pressing the volume button . The volume is increased or decreased by pressing the plus (+) or minus (-) side of the button respectively.

1.2 Indoor Panel Models

Item No.	Item Name
1023200033	ECPIR-P Access Panel, PTT + 3 Buttons, Pluggable Mic
1023200030	ECPIR-3P Access Panel, PTT Button, Pluggable Mic
1023201008	EAPIR-8 Access Panel, 8 Buttons
1023253008	EBMDR-8 8-Button Expansion Module

1.3 Outdoor Panel Models

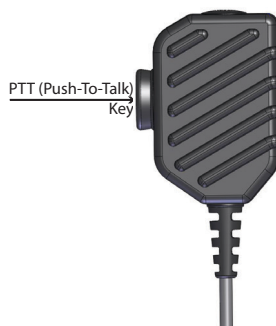
Item No.	Item Name
1023201201	EAPII-1 Industrial Access Panel, 1 Button
1023201206	EAPII-6 Industrial Access Panel, 6 Buttons
1023221511	EAPFX-1 Ex Access Panel, 1 Button
1023221516	EAPFX-6 Ex Access Panel, 6 Buttons

1.4 Microphones

Item No.	Item Name	Panel Usage
1023533012	PAM1H Handheld Mic	Indoor Access Panels
3005020033	MB-30G Gooseneck Mic	Indoor Access Panels
1023533312	EMMAI-2H Handheld Compact Mic	Outdoor Industrial Access Panels
1023533511	EMMAX-1H Handheld Compact Mic	Outdoor Ex Access Panels



PAM1H



EMMAI-2H / EMMAX-1H

2 Emergency PA Broadcast

The function keys have protection covers to prevent accidental use.

An Emergency PA will be broadcasted to all zones.

Emergency PA Procedure

1. Flip open the key protection cover for the key designated for **Emergency PA**



2. Press the **Emergency PA** key and the Public Address broadcast is set up.
 - Indicated by a steady **green** LED beside the function key.
 - Ongoing alarm, PA message with lower priority, entertainment broadcast will be muted.
 - Volume control for entertainment broadcast will be overridden.

3. Press and hold the PTT key on the panel or microphone.
 - The **red Call** LED will be lit



4. Speak close to and clearly into the microphone to broadcast the message.
5. Release the PTT key to terminate the PA broadcast.
 - If an alarm, PA message with lower priority, entertainment broadcast have been muted, they will automatically resume.

3 General Alarm Broadcast

General Alarm can be programmed into the function keys of the access panel.

The General Alarm is recognized through the sounding of 7 short tones followed by 1 long tone.

Alarm Broadcast Procedure

1. Flip open the protection cover for the key designated for the alarm you wish to start.



2. Press the GENERAL ALARM key to activate the alarm.
 - Indicated by a steady **green** LED beside the ALARM key.
 - Corresponding LEDs on all other panels in the system will also be lit
 - Ongoing entertainment broadcast and other activities with lower priority will be muted.
3. Press the GENERAL ALARM key again to terminate the alarm.
 - Entertainment broadcast and other activities with lower priority will resume.

ⓘ A General Alarm started from the bridge cannot be terminated from panels in other locations on the vessel. However, it is possible to terminate any General Alarm in the system from the bridge alarm panel.

4 Manual Alarm Broadcast

Manual Alarm can be programmed into the function keys of the access panel.

By pressing and releasing the MANUAL ALARM key, an alarm tone sequence can be broadcasted.

Alarm Broadcast Procedure

1. Flip open the protection cover for the key designated for the alarm you wish to start.



2. Press and release the MANUAL ALARM key to broadcast an alarm tone sequence
 - As long as the key is pressed, the tone will be broadcasted
 - Indicated by a steady **green** LED beside the MANUAL ALARM key.
 - Corresponding LEDs on all other panels in the system will also be lit
 - Ongoing entertainment broadcast will be muted.
 - When the key is not pressed within a period of 10 seconds (or less depending on the programming), the alarm is terminated and entertainment broadcast will resume.

5 Abandon Alarm Broadcast

Abandon Alarm can be programmed into the function keys of the alarm panel.

Alarm Broadcast Procedure

1. Flip open the protection cover for the key designated for the alarm you wish to start.



2. Press the ABANDON ALARM key to activate the alarm.
 - Indicated by a steady **green** LED beside the ALARM key.
 - Corresponding LEDs on all other panels in the system will also be lit
 - Ongoing entertainment broadcast and other activities with lower priority will be muted.
3. Press the ABANDON ALARM key again to terminate the alarm.
 - Entertainment broadcast and other activities with lower priority will resume.

6 PA Broadcast with Zone Selection

The function keys on the panel can be designated as various zones.



PA Broadcast Procedure

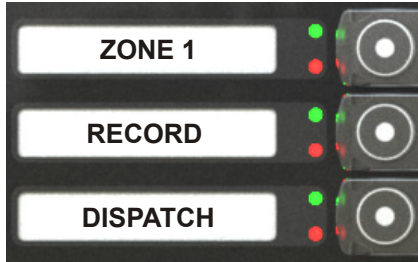
1. Flip open the protection cover for the key(s) designated for the zone(s) to which the PA will be broadcasted
2. Select zones by pressing the function keys for the desired PA zones.
 - When the zone is selected, the **green** LED by the ZONE key will be lit.
 - To deselect the zone, press the ZONE key again.
3. Press and hold the PTT key on the panel or microphone.
 - The **red Call** LED will be lit
4. Speak close to and clearly into the microphone to broadcast the message.
 - Ongoing entertainment broadcast will be muted.
5. Release the PTT key to terminate the PA broadcast.
 - Entertainment broadcast will resume.



7 PA Broadcast with Recall

PA with Recall can be programmed into the function keys of the access panel.

One key is programmed to RECORD while another key is programmed to DISPATCH the PA.



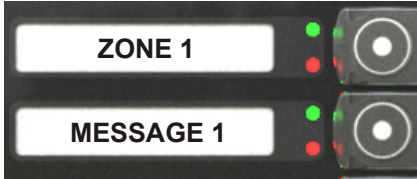
Broadcast Procedure

1. Flip open the protection covers for the function keys.
2. Select zones by pressing the function keys for the desired PA zones.
 - When the zone is selected, the **green** LED by the ZONE key is lit.
 - To deselect the zone, press the function key again.
3. Press and hold the RECORD key.
4. Speak close to and clearly into the microphone to record the message.
5. Release the RECORD key to play back the recorded message.
 - If the message is not satisfactory, press the RECORD key to record the message again
6. Press the DISPATCH key to broadcast the message.

8 Prerecorded Message Broadcast

A Prerecorded Message Broadcast can be programmed into the function keys of the access panel.

The prerecorded message can be programmed into e.g. a key labeled MESSAGE 1.



Broadcast Procedure

1. Flip open the protection covers for the function keys.
2. Select zones by pressing the function keys for the desired PA zones.
 - When the zone is selected, the **green** LED by the ZONE key is lit.
 - To deselect the zone, press the function key again.
3. Press the MESSAGE 1 key to broadcast the prerecorded message.

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