

TELEINDUSTRIA srl

phone: +39 2 45 71 37 29

email: sales@teleindustria.it

website: **www.teleindustria.com**

PA&GA (A+B) Paging and General Alarm ATEX Ex d Central equipment model 202211

PA-GA Exd Controller



EU-Type Examination Certificate

ATEX : IMQ 17 ATEX 002X

IECEX : IECEX IMQ.0008X

II2GD - Ex eb ib mb IIC T5/T6 Gb - IP65

Ex ib tb IIIC T100°C/T85°C Db - IP65

-40°C ≤ Ta ≤ +60°C/+50°C

Working temperature: -40 °C + 60°C

Body: aluminum 5mm

Color of body: Grey

Mounting: on wall

Dimensions: 190x240x117mm

Weight: 3,6 kg

Cables inlets: to be fixed at order

A complete series of locally amplified loudspeakers and sirens is available, both for outdoor using and for hazardous areas ATEX and IECEx. Local amplification increases reliability and redundancy, reduces costs, improves the possibility of volume regulation in any environment.



The **PAGA Controller 202211** is an autonomous equipment, designed to realize a **Public Address and General Alarm system** in hazardous areas. It can work in **A+B mode offering full redundancy**. Powered at 24Vdc, the **PAGA Controller 202211** sends out both Voice Messages and/or Alarm Tones. The output signal (Voice and Alarms) is a pure **analogue audio signal 0dB-600Ω**, suitable to drive any audio amplifier.

On the front panel of the PAGA Station there are **4 Alarm Buttons** and **1 button for voice message broadcast**, each button is associated to a white LED lamp. When you press an alarm button, the alarm tone is immediately broadcasted on the network of loudspeakers connect to the PAGA, and the relevant **WHITE LED lamp** is lighted to confirm the activation.

It is enough a momentary pushing of the button to activate the alarm. The alarm is issued for an indefinite time and it can be stopped pressing the **RESET** button or pressing a button relevant to a higher priority alarm.

To manage possible simultaneous activation of more alarm tones, **each alarm tone is associated to a different priority level**:

AS1	PLATFORM ABANDONEMENT	priority level 1
AS2	MAN OVERBOARD	priority level 2
AS3	GAS ALARM	priority level 3
AS4	FIRE ALARM	priority level 4

PRIORITY LOGIC:

RESET > AS1 > AS2 > AS3 > AS4

An alarm tone associated to a higher priority, cancels the broadcasting of lower priority tones and it is immediately broadcasted. During the emission of an alarm tone, the relevant **WHITE LED** is lighted.

To interrupt the broadcasting a **RESET** button is available. It is associated to a LED lamp, momentary lighted for the time the button is pressed, to confirm the interruption of all broadcastings under progress.

On the front panel of the PAGA Station there is an Ex d microphone, associated to a Push-to-Talk button (PTT) that allows immediate broadcasting of voice messages. Pushing the PTT button the microphone is activated and any alarm under progress is suspended until you keep pressed the button.

INTERFACE TO THE TELEPHONE SYSTEM

The controller accepts a 0dB audio input coming from PBX. A suitable playback interface can be installed to avoid audio feedback. Built-in local microphone has full priority on PBX.

FAULT ALARM

The PAGA Main Station 202185 is equipped with Automatic Fault Detection, a periodical test of the capacity of the tone generator to broadcast the emergency tones. During normal operation the controller keep powered the Fault-Alarm Relay. In case of failure or missing power the relay is released. A Lamps Test button allows an easy verification of the status of all the lamps.

EXTERNAL ACTIVATION OF ALARMS

The PAGA Main Station 202185 can receive alarm activations from external systems (ESD System). ALARM TONES and RESET can be activated by external NC (Normally Closed) contacts voltage free.