PRONOR

ZONE 2 EXPLOSION PROOF ATEX ⟨Ex⟩ & UL APPROVED SMART INTERCOM

Model 825-261F303

Zone 2 explosion proof outdoor multi-party handset station
(All models will have the same lay-out with corresponding extra control buttons)

Part HOUS/P-2170543
(Optionally stainless steel housing with door)

FEATURES AND BENIFITS

- Rugged construction.

- Noise cancelling microphone.

- Powerful 30Watt amplifier.

- ATEX zone 2 and IEC EX UL approved for Zone 2 or DIV.2 hazardous applications.

- IP 66 and NEMA 4x protection.

OPTIONS.
- Exist as amplifier only. (No handset. See Pub-0003-217)
- Remote volume level control (VLC) (*)
- Calling station identification. (*)
- Four (4) alternate Page channels. Allows paging into other independent communication areas. (*)
- Ambient level sensing (ALS) (*)
- Remote monitoring and self-diagnostic. (*)
- Remote activated Input/output contacts. (RTU) (*)
- Stainless steel housing with door part HOUS/P-2170543

(*) = This option is only active if and "Advance central control unit" is installed. See datasheet Pub-0003-146.

The explosion proof handset stations are microprocessor controlled field stations providing added features over standard industrial communication equipment.

The field stations operate alone standing or will interface with an "Advance central control unit" exchanging information including station health check and the status of the associated speaker. These stations are optionally equipped with smart volume feature to automatically adjust speaker volume by measuring ambient noise levels.

See datasheet Pub-0003-011, 12 and 21 for speakers and Pub-0003-056, 103 and 104 for proper installation cables and installation accessories.

Ordering information
With ATEX approval.

821-111F303	: Single party standard version.
825-111F303	: Multi-party standard version.
821-161F303	: Single party version with "Alternate Page" switch.
825-161F303	: Multi-party version with "Alternate Page" switch.
821-151F303	: Single-party version with RTU (providing 2 programmable input contacts and 2 outputs).
825-151F303	: Multi-party version with RTU (providing 2 programmable input contacts and 2 outputs).

With IEC Ex UL approval.
Replace the letter "F" in above mentioned order numbers by "H"

Specifications.

Construction	: Black carbon loaded, glass reinforced polyester.
Power	: 120-230VAC 50/60Hz at 83VA (30Watt audio) and 44VA (12Watt audio). Idle 18VA . The DC version at 24VDC/47Watt
Cable entry	: At the bottom, holes to be drilled by installer. Metal gland plate included.
Audio amplifier	: 30Watt RMS. Frequency range 250 - 6,5KHz
Microphone	: Dynamic 10-Ohm noise cancelling.
Internal Controls	: Speaker volume, address switch, handset volume
External controls	: Page button, party-line switch, alternate page switch.
Approvals	: ATEX / IEC Ex UL II 3 G Ex ic nA IICT4 as well dust II 3 D Ex ic tb IIIC T135ºC Dc IP66 CE Mark
Temperature range	: Minus 30Cº to +69Cº (95% humidity)
Dimensions (WxHxD) mm:	300x300x190mm
Shipping weight	: 7Kg
Protection	: IP66

***PRONOR* N.V.**
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Pub-0003-161b

EXPLOSION PROOF ATEX ⟨Ex⟩ & UL APPROVED SMART INTERCOM

Model 825-161E502
Explosion proof outdoor multi-party handset station
(All models will have the same lay-out with corresponding extra control buttons)

FEATURES AND BENIFITS

- Rugged construction.

- Noise cancelling microphone.

- Powerful 30Watt amplifier allows effective communication in areas of extreme noise.

- ATEX and UL approved for Zone 1 or DIV.1 hazardous applications.
- IP 66 and NEMA 4x protection.

OPTIONS.
- Exist as amplifier only. (No handset)
- Remote volume level control (VLC) (*)
- Calling station identification. (*)
- Four (4) alternate Page channels. Allows paging into other independent communication areas. (*)
- Ambient level sensing (ALS) (*)
- Remote monitoring and self-diagnostic. (*)
- Remote activated Input/output contacts. (RTU) (*)

(*) = This option is only active if and "Advance central control unit" is installed. See datasheet Pub-0003-146.

The explosion proof handset stations are microprocessor controlled field stations providing added features over standard industrial communication equipment.
The field stations operate alone standing or will interface with an "Advance central control unit" exchanging information including station health check and the status of the associated speaker. These stations are optionally equipped with smart volume feature to automatically adjust speaker volume by measuring ambient noise levels.
See datasheet Pub-0003-011, 12 and 21 for speakers and Pub-0003-056, 103 and 104 for proper installation cables and installation accessories.

Ordering information
With ATEX approval.
821-111E502   : Single party standard version. Epoxy coated.
825-111E502   : Multi-party standard version. Epoxy coated.
821-161E502   : Single party version with "Alternate Page" switch. Epoxy coated.
825-161E502   : Multi-party version with "Alternate Page" switch. Epoxy coated.
821-151E502   : Single-party version with RTU (providing 2 programmable input contacts and 2 outputs). Epoxy coated.
825-151E502   : Multi-party version with RTU (providing 2 programmable input contacts and 2 outputs). Epoxy coated.

With UL approval.
Replace the letter "E" in above mentioned order numbers by "C"

Specifications.
Construction   : Cast Aluminium with grey polyurethane coating.
Power   : 120-230VAC 50/60Hz 50VA consumed (15VA idle). The DC version at 24VDC/50Watt
Gland entries: : ATEX version: 3 x M25, 2xM20, 1xM16   UL version 2x 1-1/2"NPT, 2x3/4"NPT
Audio amplifier   : 30Watt RMS. Frequency range 350 - 6,5KHz
Microphone   : Dynamic 10-Ohm noise cancelling.
Internal Controls : Speaker volume, address switch, handset volume
External controls : Page button, party-line switch, alternate page switch.
Approvals   : ATEX II 2 G   EExd ib IIB + H2T6   C€Mark as per 73/23/EEC, 89/336/EEC, 93/68/EEC
                    : UL Class I, Div 1, Groups B, C, D,   Class II, Div.1 Groups F, G.   Class III, Div.1 T6
Temperature range : Minus 20Cº to +66Cº (95% humidity)
Dimensions (WxHxD) mm: 332x364x297mm
Shipping weight   : 22Kg
Protection   : IP66