



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  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 20C° to +66C° (95% humidity)
Dimensions (WxHxD) mm:	: 332x364x297mm
Shipping weight	: 22Kg
Protection	: IP66

PRONOR N.V.

Liefkensstraat 35A
B-9032 GENT

TEL: (+) 32-9-257 08 80

www.pronorbelgium.com
E-mail: info@pronor.be

HAZARDOUS AREA IN/OUTDOOR INTERCOM STATIONS



Model 785-001

Consist of: Model 780-001 handset amplifier
Model 10444-003 Outdoor enclosure
(Model 7855-001 will have same layout and will include a 5-party line switch)



Model 780-001

(Model 7805-001 will have same layout and will include a 5-party line switch)

FEATURES AND BENIFITS

- Noise-cancelling microphone allows communication even in high noise areas.
- Explosion proof housing. Intrinsically safe handset.
- Suitable for use in Hazardous DIV.1 area
- Ample space in enclosure and double row terminal block for easy installation.
- Maximum distance 1.6Km between two stations.
- Modular design reduces spare part investment.
- Rugged steel dust-tight housing (indoor) or glass-reinforced polyester resists corrosive agents.

Models 780 and 7805 are indoor explosion proof Wall stations and Model 785 and 7855 Outdoor Wall stations provide quality all-page and common-talking communications. Available in single-or multi-party line models, each unit includes a handset amplifier and a 12-Watt speaker amplifier. All stations are certified for use in a DIVISION 1, Class 1, Groups C&D, groups E and G. For use outdoor, order the additional weatherproof housing model 10444-003.

Specifications.

Installation	: Use cable model 60023-201/SPL (single) or 60029-001/SPL (Multi)	
Power	: 120VAC 50/60Hz 50VA consumed (4VA idle).	
Audio amplifier	: 12Watt RMS. Frequency range 250-4KHz	
Microphone	: Dynamic 10 Ohm noise cancelling.	
Controls	: Speaker volume, receiver volume, mic volume, anti-side tone.	
Temperature range	: Minus 30°C to +70°C	
Shipping weight	: Indoor station:12Kg	Outdoor enclosure: 4,4Kg
Protection	: Indoor IP42	Outdoor IP 65

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E-mail: info@pronor.be