

## **Explosion-Proof Intercom Station Mentor SL Ex7711 Digital ISDN**

**Hazardous area secure intercommunications system for high integrity life safety applications.**

**Mentor Digital 7711 is a Zone 1 certified explosion proof intercom station. The unit operates in conjunction with a P.C. configurable SL700 central node, which allows two or more stations to communicate in accordance with practically unlimited voice routing plans.**



The new generation, state of the art explosion proof intercom stations are based upon the standard ISDN, Integrated Service Digital Network technology (2B+D), and is manufactured using latest "Surface Mount Devices" (SMD) technology.

Digital ISDN connectivity is used for both speech and data, this provides optimum reliability and excellent speech clarity and intelligibility. This is combined with a large eight-row alpha numeric LCD display, which displays the operation status of the station and various other features, which are dependent on the facilities incorporated in the central exchange.

In addition to the full keypad, three function buttons are provided. These keys may be used in alternative ways depending on how the system is configured and programmed, however these are typically used for functions such as electronic volume control, display scrolling and engineer test facilities.

To provide custom facilities for stations there are options for the addition of a handset or headset, flashing beacon and extension loudspeaker.

The unit is available with a range of diverse options allowing efficient service in the most aggressive of environmental applications. Speech connections are totally non blocking allowing simultaneous point to point communications between different stations / groups of stations without degradation or loss of immediate routing. Mentor Digital is an information technology based product specifically designed to replace Page / Party type systems that utilise unreliable multicore cables, have limited selectivity and have no describer status display.

### **Key Features**

- ✓ Hands Free or Simplex Push to Talk – Simple Man/Machine interface
- ✓ Noise cancelling microphone - Highest intelligibility of speech
- ✓ ISDN fully digital operation - Enhances speech intelligibility, status data at each station
- ✓ 2 wire interconnection scheme - Low cost simple installation
- ✓ Liquid crystal status display - No permits required to perform first line maintenance
- ✓ Integral 20 Watt speech amplifier fitted as standard - Audible paging broadcasts in high noise areas
- ✓ Flashing beacon output - Attracts attention to incoming calls
- ✓ See-in-the-dark photo luminescent key pad.
- ✓ Eliminates conventional unreliable mechanical switches / party line rotary selectors - low through life cost.

### **Mechanical Data**

<b>Model</b>	SL-EX7711
<b>Unit Dimensions (mm)</b>	480 x 174 x 120
<b>Unit Weight</b>	10kg
<b>Housing Material</b>	LM6 Painted to ASTM.B117
<b>Standard Unit Colour</b>	Orange
<b>Ingress Protection</b>	Weather-Proof Ingress IP 66

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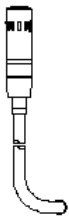
**www.atexshop.com**  
**www.ruggedshop.nl**  
**www.webpainter.nl**  
**www.eyecctv.nl**

## Technical Data

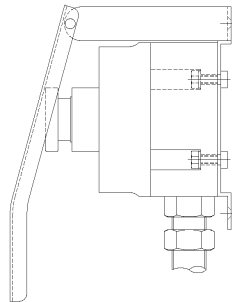
<b>Certification</b>	Sira 02ATEX1177X Hazardous Area Zone 1 Group IIB, T4
<b>Temperature Range</b>	-40 °C to +50°C
<b>Power Supply</b>	Local / Remote Power Option, 24v DC/110/120v, 220/240v AC
<b>Communications Protocol</b>	Digital ISDN
<b>Frequency Response</b>	600 – 6.5Khz
<b>Integral Power Amplification</b>	20Watts / 40hms
<b>Integral Loudspeaker</b>	8 Watts / 80hms
<b>Connectivity Distance</b>	3Km max @ < 45nf
<b>Unit Connection</b>	Exd Termination
<b>Exchange Connection</b>	Single Pair Cable
<b>Exchange Compatibility</b>	SL-GE700

## Mentor Digital Model Identification

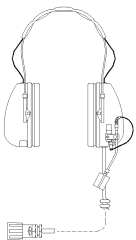
Model #	Local Ex Loudspeaker	Local I.S. Keypad	Local I.S. Microphone	Local I.S. Handset & Cradle	Local I.S. Headset	Remote I.S. Keypad	Remote I.S. Headset	Remote I.S. Microphone
7711/01	✓	✓	✓	X	X	X	X	X
7711/02	✓	✓	✓	X	✓	X	X	X
7711/10	X	X	X	X	X	✓	X	✓
7711/11	X	✓	✓	X	X	X	X	X
7711/12	X	X	X	X	X	✓	✓	✓
7711/13	✓	✓	✓	✓	X	X	X	X
7711/13/S	X	✓	X	✓	X	X	X	X
7711/14	✓	✓	X	✓	X	X	X	X
7711/15	✓	X	X	X	X	✓	X	✓
7711/16	✓	✓	X	X	X	X	✓	✓



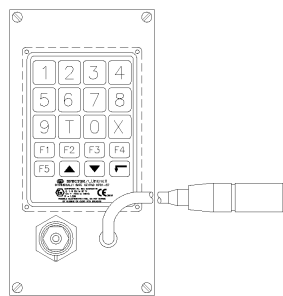
ISMIC 3 Intrinsic safe 300mm goose neck microphone may be fitted to Mentor Digital Types 7711/01, 7711/02, 7711/11, 7711/13 and 7711/14 as a special order only



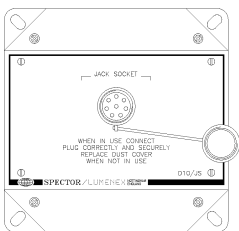
D10/1KS Explosion-proof push to Talk Paddle Switch for use with any Mentor Digital 7711 series station.



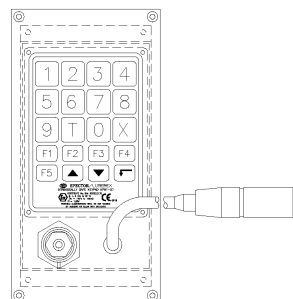
ISMIC 06/07 Intrinsic safe ear Defender Headset & Boom Microphone for use with 7711/02, 7711/12 and 7711/16



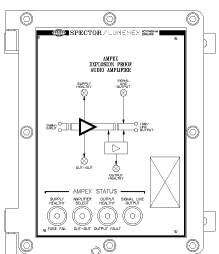
Ex 771152-55 Flush fit intrinsic safe remote keypad / microphone for use with 7711/10, 7711/12, and 7711/15.



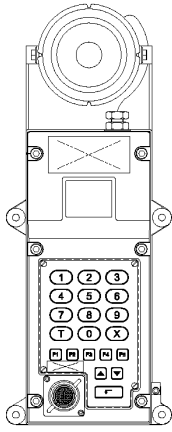
D10/JS Intrinsic Safe Jack Socket Box for use with ISMIC 06/07 and Mentor Digital Station 7711/16



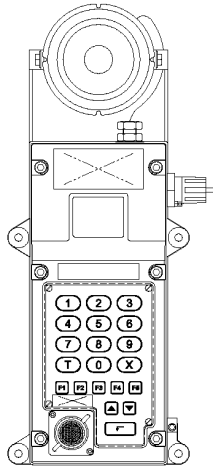
Ex 771156-59 Surface Mount intrinsic safe remote keypad / microphone for use with 7711/10, 7711/12 and 7711/15



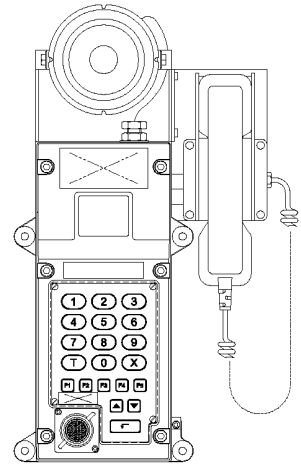
AMPEX 100 Explosion-proof paging amplifier provides up to 100 watts loudspeaker drive capability for public address.



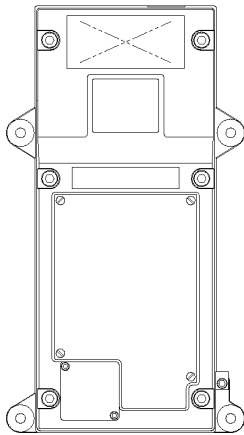
Model No7711/01



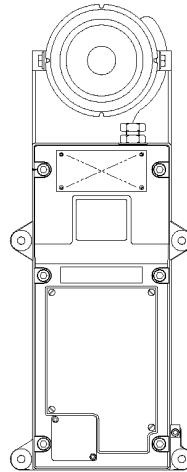
Model No7711/02



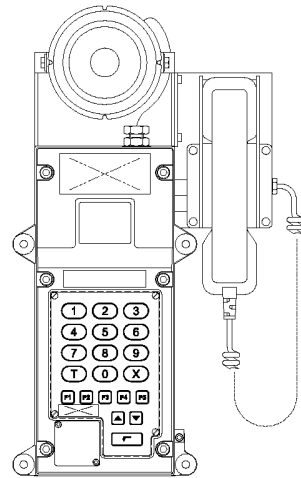
Model No7711/13



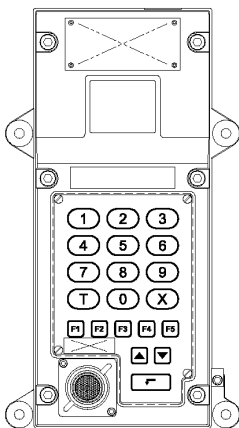
Model No7711/10



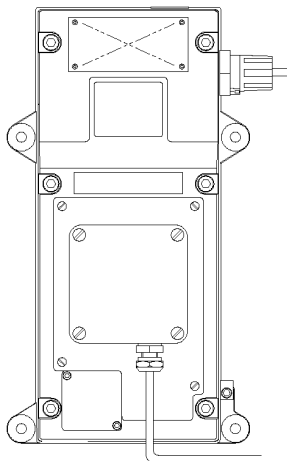
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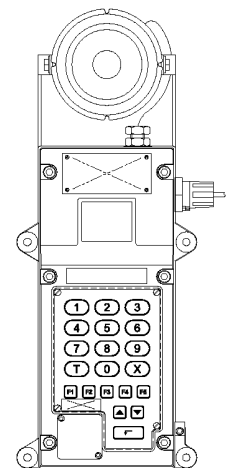
Model No7711/14



Model No7711/11

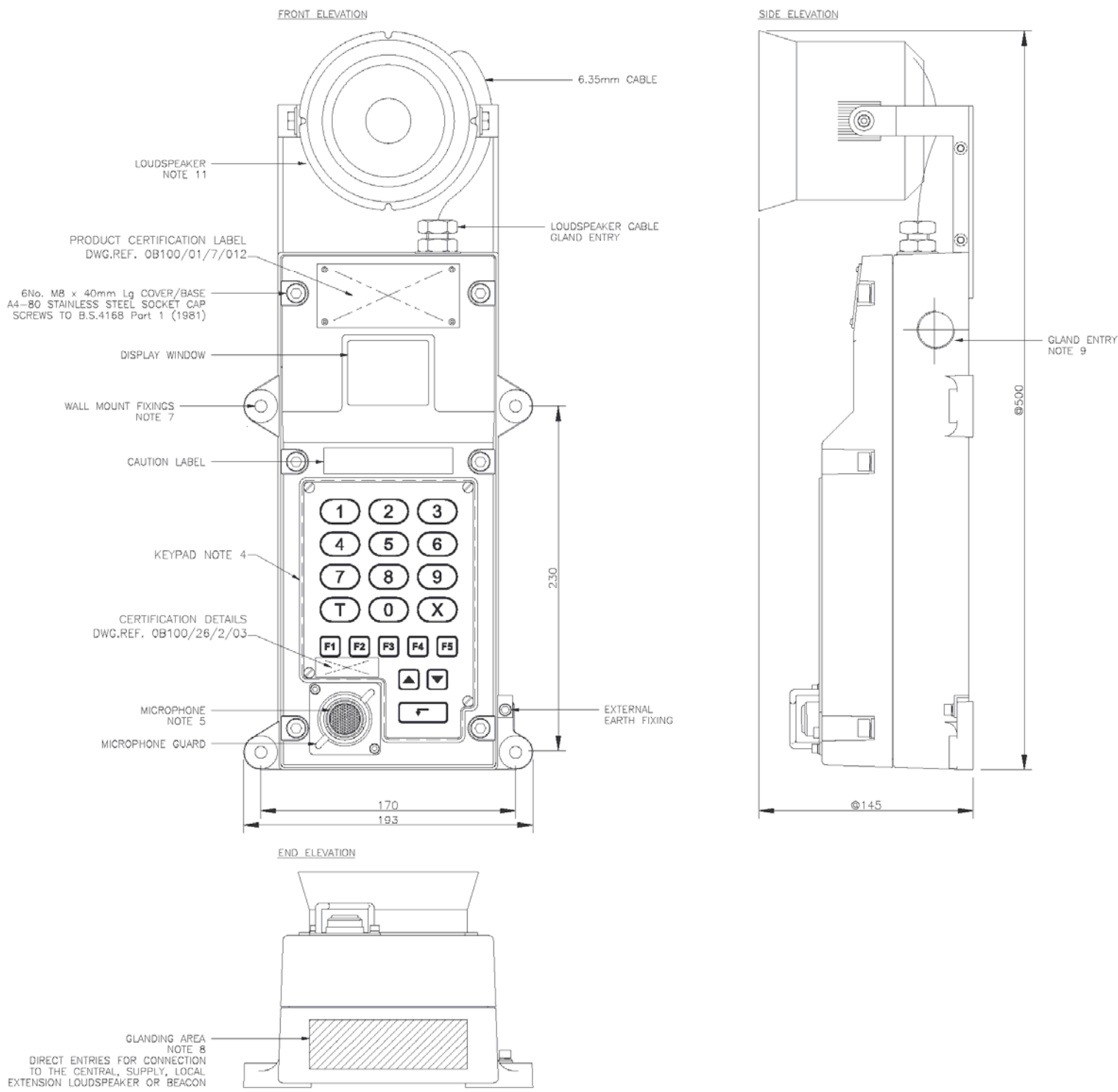


Model No7711/12



Model No7711/16

# Mentor Digital Ex7711/01 -Explosion-Proof Intercom



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