

## **Architects and Engineering specification**

The EMERGENCY TELEPHONE SYSTEM shall be designed as a Fireman's Telephone System and or a Disabled Refuge System or a combination of both. The control panel shall be available with either a RED or WHITE handset. Various access passwords shall be possible so as to set levels of operation.

The Emergency Telephone System (ETS) control panel shall accommodate up to 120 outstations.

The ETS shall be capable of running a 1000m loop of suitable cable as specified.

The ETS shall be BS5839 part 9 compliant

The ETS shall have a LCD display and 7 status LED's as well as Fault and Alarm relay outputs.

The ETS shall be capable of accommodating up to 3.2 A/H of standby battery and operate on 24Vdc in the event of a power failure. The bus voltage shall be 24Vdc and the system shall draw no more than 240mA in standby mode and 500mA in full load mode. The internal power supply unit shall be rated at no less than 2 Amps.

Dimensions for the Surface Mount system shall be as follows 381mm wide x 375mm high x 105mm deep, Flush Mount unit dimensions shall be 485mm wide x 435mm high x 105mm deep. The weight of a Surface Mount system shall be 4.5KG and for a Flush Mount system 5.5KG.

Type A outstations shall be compatible with all versions of the ETS panel and be capable of operating as a Fire Telephone or disabled refuge call unit. These units shall be housed in a Surface mount metal enclosure and allow for full duplex communication with LED for incoming calls. An optional flush mount bezel shall be available if required. The Type A outstation shall have a status LED, be able to automatically dial the control panel when "off hook". They shall be available with a red or white handset.

Dimensions for Type A surface mount outstations shall be 170mm wide x 300mm high and 98mm deep. Weight for a type A outstation shall be 1.9KG. A flush mount version shall be available.

The flush mount bezel (if required) shall have the following dimensions 232mm wide x 300mm high x 31mm deep and have a weight 0.3KG

A weather proof version shall also be available and shall be equipped with a stainless-steel handset cord and be enclosed in a IP66 weatherproof high visibility enclosure. Dimensions for the weather proof version shall be 246mm wide x 339mm high x 126mm deep. The weight of the weather proof outstation shall be 6KG.

Type A outstations shall draw no more than 2mA in standby mode and 40mA in "Off Hook" mode, line standby voltage shall be 24Vdc.

The Type B Outstation shall be designed to fully comply with BS5839 for use as a Fire Telephone System. The unit shall be designed to be versatile, compact and easy to use.

These stations shall be used where the noise level is below 40dBA

Dimensions for these units shall be 110mm wide x 138mm high and 39mm deep with a weight of 250g.

Type B outstations shall draw no more than 2mA in standby mode and 40mA in Off Hook mode, the units shall operate on a line voltage of 24Vdc.

A Jack Socket option shall be available and shall be surface mounted and equipped with a LED indication which shall light up when called from the control panel. This unit shall be in the form of a jacket socket and be addressable. The telephone handset shall be compatible and have a suitable jacket socket (Male) for use with the unit.

These units shall be surface mount type enclosures allowing for full duplex 2-way voice communication complete with status LED and high-volume ringer.

Dimensions for these units shall be 110mm wide x 138mm high and 39mm deep with a weight of 200g.