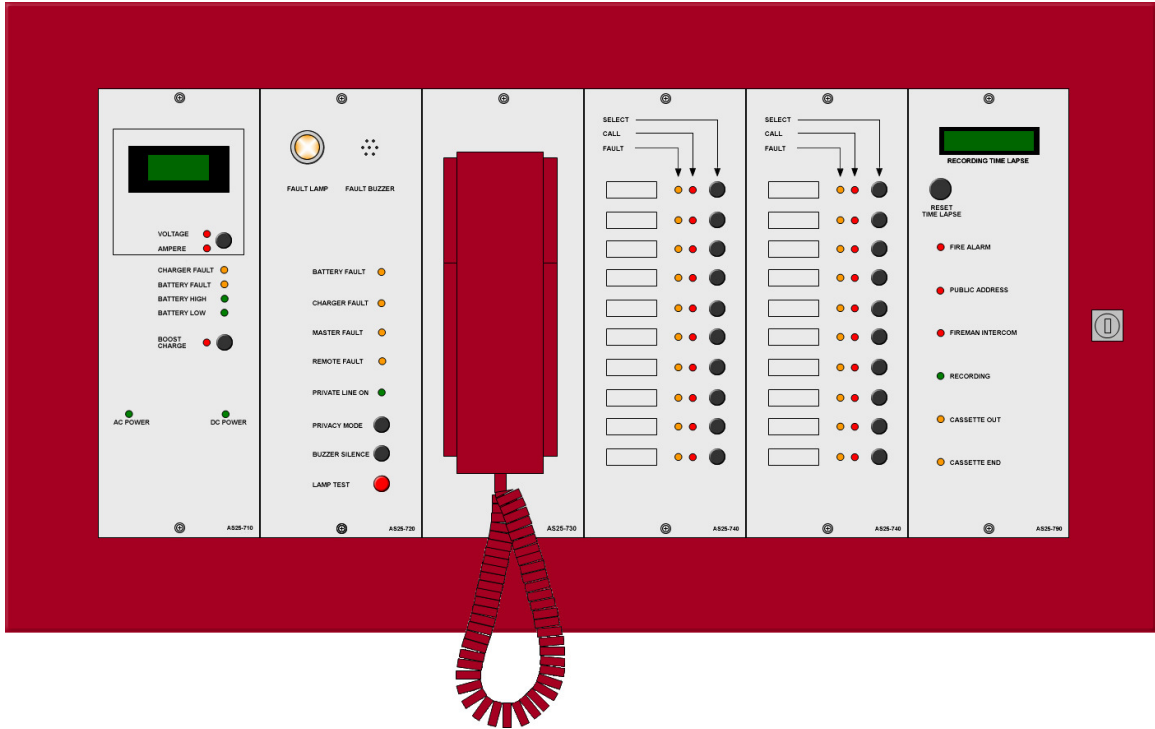


The **Acclaim AS25-700 Series Two-Way Emergency Voice Communication System** is designed to provide reliable and easy-to-use, communication for firefighters during an emergency.



The system consists of a Master Control Panel capable of controlling and supervising up to a maximum of 900 Remote Handset zones. Each Remote Handset is wired to the Master Control Panel in a point to point configuration. Such configuration prevents cable fault in one handset from affecting the other handsets in the system.

Individual control buttons makes the system very easy to use as most control functions require only one press operation. Individual LED status indicators provide operator with a quick overview of the system status at a glance.

A wide range of system fault monitoring circuits and fault indicators are built into the system. Handsets and cables are supervised for open and short circuit faults. Power supply unit and battery charger are protected by fuses and supervised for faults. A one touch Lamp Test button checks for faulty indicators.

The built-in battery enables the system to function without interruption even when mains supply fails. After a mains failure, a boost charge facility allows the drained battery to be recharged to full capacity in a shorter time. A digital voltmeter and ammeter provides accurate and easy to read system voltage and current levels.

An optional Cassette Interface Module (complete with cassette recorder) is available to record all voice transmission through the system. The recording can be started automatically whenever the fire alarm system is activated.

The system meets the requirement of Singapore Standard CP25: Code Of Practice For Emergency Voice Communication System in Buildings.



## ACCLAIM AS25-700 EMERGENCY VOICE COMMUNICATION SYSTEM FEATURES

- ❖ **Dedicated call buttons:** Simple, fast one touch operation.
- ❖ **Initiate calls to Remote Handsets:** Allows Master Handset to place calls to the Remote Handsets.
- ❖ **Privacy mode:** For confidential communication between Master and selected Remote Handset.
- ❖ **Modular design:** Cater for easy future expansion by adding modules.
- ❖ **Audible and visual call indicators:** Ensures all incoming calls are annunciated – no missed calls.
- ❖ **Supervised handsets:** Immediate alert of cabling faults in any handsets.
- ❖ **Digital voltmeter and current indicators:** Convenient checking of system power supply condition.
- ❖ **High voltage and lightning protection circuit:** reduces downtime cause by induced voltage spikes.
- ❖ **Boost charge facility:** Speeds up battery charging after any prolonged mains power failure.
- ❖ **Power supply protection:** Short circuit, overload and over voltage protection reduces downtime.
- ❖ **Full LED indicators:** LEDs last longer and reduces capacity of standby battery.
- ❖ **Lamp test button:** Fast and convenient one press button to test all status indicators.
- ❖ **Optional Cassette Recorder Module:** Records conversation for post event analysis.

### OPERATION

#### Master Control Panel Calling Remote Handsets

1. Raising the Master Handset at the Master Control Panel enables all zone "SELECT" buttons.
2. Pressing the "SELECT" button of the required zone will cause the selected zone's "CALL" indicator to flash.
3. A distinctive call signal at the selected Remote Handset will sound.
4. Raising the called Remote Handset off its cradle will silence the audible signal.
5. The flashing "CALL" indicator of the Master Control Panel will turn steady.
6. Communication link is now established.

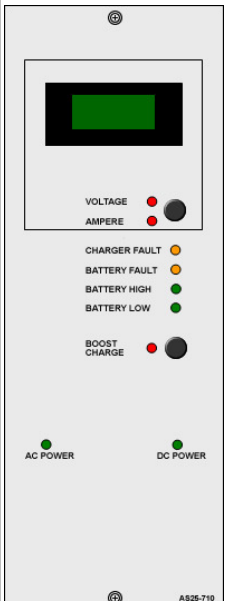
#### Privacy Mode

The Privacy Mode facility allows private conversation between the Master Handset and any selected Remote Handsets. Remote Handsets which have not been selected will receive a "busy" tone. The system is on Privacy Mode by default.

1. When the Master Handset is raised, the "PRIVACY LINE ON" indicator is lighted indicating that system is in Privacy Mode.
2. A "busy" tone will be heard on any of the raised handsets. The "CALL" indicators of the raised handsets will flash.
3. Pressing the "SELECT" button of any raised handset zone will establish communication with it. The flashing "CALL" indicator of the selected handset zone will turn steady.
4. New callers can be added to into the communication channel by pressing its "SELECT" button.
5. To disable Privacy Mode and allow all callers to participate in the communication, press the "PRIVACY MODE" button. The "PRIVACY LINE ON" indicator goes off. The system is now in conference mode and all new callers will be able to participate in the conversation.

## ACCLAIM AS25-700 EMERGENCY VOICE COMMUNICATION SYSTEM COMPONENTS

**Master Charger Module**



**Model: AS25-710**

**Features**

- Battery charging and supervision
- Digital Volt and Amp meter
- AC/ DC fuse protection
- Float and boost charge mode
- Auto boost charge cut off
- Internal AC mains switch & fuse

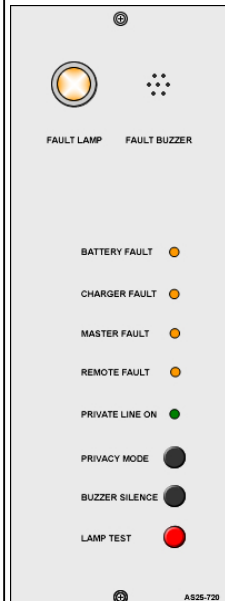
**Specification**

Size: 110 (w) x 316 (h) x 110 (d) mm  
 Weight: 1750 g  
 Material: 16 gauge sheet steel  
 Finish: Powder coated paint, beige white  
 Input: 230 VAC  
 Output: 28.8 V ± 0.5 VDC, 4 A  
 DC Fuse: 5 A  
 Battery Fuse: 3 A  
 Output Fuse: 1 A

**Configuration**

One module per system, compulsory

**Common Trouble Indicator Module**



**Model: AS25-720**

**Features**

- System fault annunciator
- Common fault indicator
- Audible buzzer
- Call, Busy, Ready tone generator
- Supervisory circuit

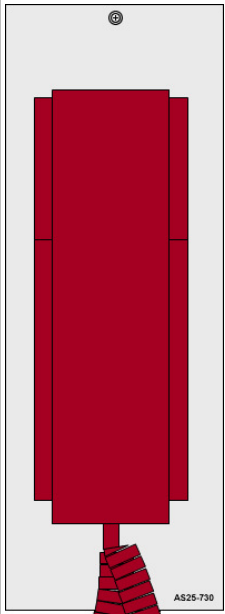
**Specification**

Size: 110 (w) x 316 (h) x 52 (d) mm  
 Weight: 350 g  
 Material: 16 gauge sheet steel  
 Finish: Powder coated paint, beige white  
 Input: 15 VDC  
 Quiescent current: approx. 25mA  
 Lamp Test Current: approx. 200mA

**Configuration**

One module per system, compulsory

### Master Handset Module



**Model: AS25-730**

**Features**

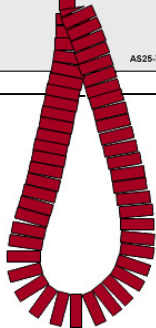
- Master Handset
- CPU circuit

**Specification**

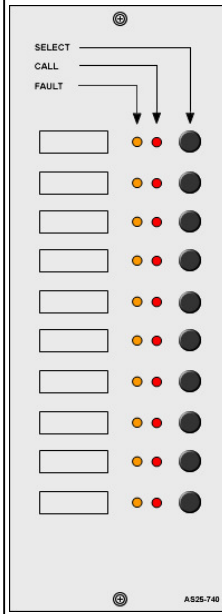
Size: 110 (w) x 316 (h) x 100 (d) mm  
 Weight: 630 g  
 Material: 16 gauge sheet steel  
 Finish: Powder coated paint, beige white  
 Handset: Red Hi-impact ABS plastic  
 Input: 24 VDC  
 Quiescent current: 20mA  
 Ring Tone: 2 kHz  
 Microphone: Carbon  
 Output impedance: 300 -1K ohm  
 Frequency Response: 200 – 3450 Hz

**Configuration**

One module per system, compulsory



### Handset Zone Selector Module



**Model: AS25-740**

**Features**

- Support 10 Remote Handsets
- One press operation
- Individual Call and Fault indicators
- Individual Select buttons

**Specification**


Size: 110 (w) x 316 (h) x 100 (d) mm  
 Weight: 510 g  
 Material: 16 gauge sheet steel  
 Finish: Powder coated paint, beige white  
 Input: 15 VDC  
 Quiescent current: approx. 25mA  
 Lamp test Current: approx. 200mA

**Configuration**

One module for every ten Remote Handsets, compulsory

**Note:** Requires one Line Supervisory Card (AS25-70041, not shown) for each connected Remote Handset .

### Remote Handset



**Model: AS25-750**

**Features**

- Housed in heavy gauge steel
- Lockable housing with breakglass door release
- Top and bottom entry
- Retractable cord

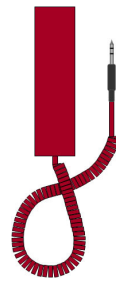
**Specification**

Size: 180 (w) x 386 (h) x 88 (d) mm  
 Weight: 3950 g  
 Material: 16 gauge sheet steel  
 Finish: Red enamel coating  
 Handset: Red Hi-impact ABS plastic  
 Input: 15 VDC  
 Quiescent current: 20mA  
 Ring Tone: 2 kHz  
 Microphone: Carbon  
 Output impedance: 300 -1K ohm  
 Frequency Response: 200 – 3450 Hz

**Configuration**

Quantity depends on site requirement, compulsory

### Portable Handset and Remote Socket



**Model: AS25-751-J**

**Features**

- Portable Handset with jack


**Specification**

Size: 110 (w) x 316 (h) x 100 (d) mm  
 Weight: 630 g  
 Handset: Red Hi-impact ABS plastic  
 See AS25-720 for elect. specification

**Configuration**

Depends on project requirement.

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**Model: AS25-751-SK**

**Features**

- Surface and flush mounting type

**Specification**

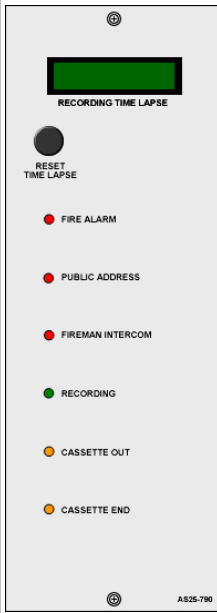
Material: 16 gauge stainless steel  
 Surface: 85 (w) x 85 (h) x 40 (d) mm  
 Flush: 80 (w) x 85 (h) x 40 (d) mm  
 Weight: 350 g

**Configuration**

Depends on project requirement

**ACCLAIM AS25-700 EMERGENCY VOICE COMMUNICATION SYSTEM**  
**- OPTIONAL COMPONENTS**

**Cassette Interface Module**



**Model: AS25-790**

**Features**

- Auto recording (option to start recording when either Fire Alarm is activated or when Master Handset is raised)
- Digital time lapse indicator
- Simultaneous recording of handset conversation and Public Address announcements
- Cassette status monitoring

**Specification**

Size: 110 (w) x 316 (h) x 100 (d) mm  
 Weight: 630 g  
 Material: 16 gauge sheet steel  
 Finish: Powder coated paint, beige white  
 Input: 24 VDC  
 Quiescent current: 200mA

**Configuration**

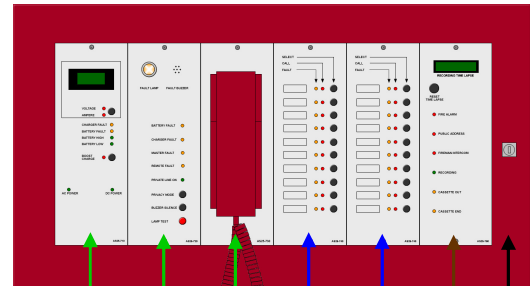
Optional. Module includes cassette deck, mounted externally (not shown)

**MASTER CONTROL PANEL**  
**- CONFIGURATION GUIDE**

Model of Master Control Panel: AS25-700/x  
 where x is the total numbers of module space required.

The module space is determined as follows:

1. Compulsory module space = 3
2. Add module space for Handset Zone Selector Module, AS740 (one AS740 can connect to 10 handsets)
3. Add Optional Cassette Interface Module, if required.



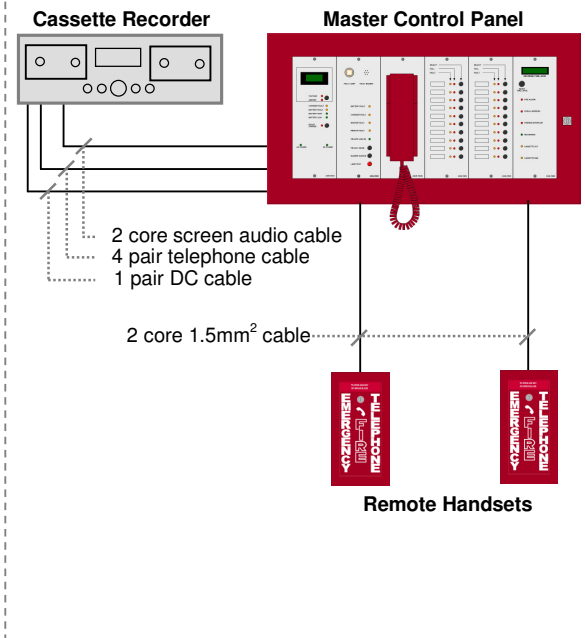
Compulsory modules: 3

Handset Zone Selector Modules: 2

Cassette Interface Module: 1 (optional)

Total module space required: 6  
 Model of Master Control Panel: AS25-700/6

**System Cabling Guide**



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