



The SMC02G and SMC02F are robust flush mounting Station Master's Consoles suitable for mounting in 19" DIN equipment racks or other flat surfaces. The SMC02G has a panel mounted gooseneck microphone with a console mounted Push To Talk switch, and the SMC02F has a fist microphone with integral Push To Talk switch.

These microphones are designed to work with the whole range of ASL Voice Alarm and Public Address systems, and are typically used by the Station Master for making announcements to any of the PA/VA zones within a station.

The standard SMC02 units have the facility to act as a 'Fire Microphone' and activate the Router's bypass mode as required by BS5839 Pt 8. These units should be connected to Router inputs 1 and 2, which operate in the All-Call failsafe override mode in the event of processor failure.

The 'S' variants (SMC02GS and SMC02FS) do not have the facility to act as a 'Fire Microphone', and are configured as a normal 'Paging Microphone'. These can be connected to any of the Router's Mic/Line inputs which support the required number of microphone buttons.

A flexible listen-in facility is also provided, whereby a mix of all zones or of selected zones may be monitored via the SMC's built-in loudspeaker.

In a system which is configured with more than one SMC unit the listen-in facility can be controlled from only one of the SMCs, i.e., the listen-in switch should only be configured on the primary SMC. However the listen-in facility can also be controlled by a SMS/HCI type system connected to the Router's host port. Although only one SMC can control the listen-in facility, the listen-in audio is still available on all SMC units in the system.

Microphone audio is provided as a balanced 0 dBu (nominal) analogue signal. The unit features an in-built signal limiter to accommodate varying operator techniques.

An outgoing 20 Hz surveillance tone is generated to enable the audio cabling to the router to be monitored.

A multi-pole connector provides field connections.

For further details, and for information on other products, please visit [www.asl-control.co.uk](http://www.asl-control.co.uk).

## SPECIFICATION

### General

Supply Voltage Range ..... 18 – 40 V DC  
Current Consumption ..... 250 mA @ 24 V DC supply  
Max., all LEDs on  
Audio Output ..... 0 dBu balanced (nominal) / 66 Ω  
Microphone Control Data ..... EIA RS485 / 19200 baud  
Listen-in Audio ..... -10 dBu balanced (nominal)  
Buttons ..... 20 Zone Select Buttons<sup>1</sup>  
PTT button on console (SMC02G)  
PTT button on fist microphone (SMC02F)  
Listen-in button  
LEDs ..... 2 LEDs per zone Select button  
(zone Busy and zone Selected)  
All Call Only (twin)  
Speak Now (twin)  
Listen-in  
System Fault  
Power  
Microphone speech level meter ..... Five LED bargraph  
Colour ..... black with silver annotation  
Format ..... metal box console  
Mounting ..... DIN19" flush mounting

### Dimensions and Weight

Dimensions (H x W x D) ... 87.5 mm x 483 mm x 177 mm  
(excluding gooseneck microphone)  
Weight ..... 3.9 kg max.

### Variants

#### Standard Emergency Microphone (BS5839 Pt.8 compliant)

SMC02G (standard) ..... Gooseneck microphone  
SMC02F (standard) ..... Fist microphone

#### Non-Emergency Microphone

SMC02GS ..... Gooseneck microphone  
SMC02FS ..... Fist microphone

### Environmental

Temperature (Storage and Operating).... -5 °C to +50 °C  
Humidity Range ..... 0% to 93% Non-condensing  
Ingress Protection ..... IP55

### EMC

EN61000-4-3 (80 MHz to 1 GHz) /  
EN61000-4-6 (0.15 MHz to 80 MHz)..... ITU/R 562-3  
Impairment level 3

In the close proximity to some radio frequency transmitters,

the signal to noise ratio of this system may be reduced.

If this occurs, ensure adequate system RF earthing or re-locate the equipment or signal cables.

*Full performance information available on request*

<sup>1</sup> Zone select buttons can also control routes or DVAs.



This equipment is designed and manufactured to conform to the following EC standards:

EMC EN55103-1/E1, EN 55103-2/E5, EN50121-4, ENV50204

Safety EN60065

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