

## DISCUSSION UNIT ARCHITECT AND ENGINEER SPECIFICATIONS

The Flush Mounted Discussion Unit shall be a fully digital discussion unit for the DDS 5900 Digital Discussion System. The Flush Mounted Discussion Unit shall have a compact design that integrates into the conference environment, and allows minimal impact to the surface. According to the attached button overlay, the unit shall be configured automatically as a chairman or delegate.

The unit shall connect to the DDS 5900 System by using the proprietary DCS-LAN protocol in a daisy-chain topology, using shielded CAT 5e cables. The DCS-LAN protocol shall transport power, audio and control data across a chain of discussion units, including a codec algorithm to prevent unauthorized listening to the audio signal.

The Flush Mounted Discussion Unit shall provide a channel selector that supports floor channel and two interpretation channels. The unit shall provide a 3.5 mm female stereo headphone socket for DH 6021 stereo headphones or equivalent.

The automatic touch-button overlay variations shall provide the following microphone functions: no buttons, speak on/off, temporary mute (delegate only), headphone volume, channel selector, and delegate off (chairman only).

The Flush Mounted Discussion Unit shall include a base unit that connects to the front plate. The front plate shall consist of model variations FP 5921 F for speech, and the FP 5981 F for speech and interpretation channel selection.

The Flush Mounted Discussion Unit shall include a compact LS 5900 loudspeaker in a separate housing with an attachable 1m cable. The base unit shall feature two DCS-LAN (RJ45) female sockets (loop-through) with auto termination, and an audio connector for the loudspeaker. The loudspeaker frequency range shall be 150 Hz to 15 kHz. The headphone frequency response shall be 65 Hz to 15 kHz. The power consumption shall be 1.5W, and the power maximum shall be 2.1 W RMS.

The Flush Mounted Discussion Unit shall provide connection for the following gooseneck microphones that connect to the lockable XLR socket: GM 59xx, GM 6xxx, Shure MX405RLP, MX410RLP and MX415RLP (requires AC 5901 XLR/ Microflex adapter). The unit shall run in four microphone operation modes: Automatic, FIFO, Manual and VOX (voice activation). The microphones shall have an *Auto-Off* feature, and a *Speak* and function (a delegate Off/Mute) button. The unit shall support a delegate interrupt mode.

The Flush Mounted Discussion Unit shall provide an automatic configuring touch-button overlay that determines the unit configuration as chairman or delegate.

The Flush Mounted Discussion Unit base unit shall measure 106 mm in height, 50 mm in width and 50 mm in depth. The FP 5921 F for speech shall measure 12 mm in height, 72 mm in width and 63 mm in depth. The FP 5981 F for speech and interpretation channel selection shall measure 12 mm in height, 152 mm in width and 63 mm in depth. The unit shall weight 400 grams. The operating temperature range of the unit shall be 5° to 40°C.

The Flush Mounted Discussion Unit shall be a DIS model DC 5900 F.