UTRYMNING MED TALAT MEDDELANDE
ASL INTEGRA

EN54 16

ASL INTEGRA

- SELF-CONTAINED WALL MOUNT VOICE ALARM
- INTEGRATED IP AUDIO NETWORKING
- SIMPLE INSTALLATION
- HIGH EFFICIENCY
- 3, 5 OR 10 AMPLIFIER CHANNELS
- UP TO 500W PER CHANNEL
- UP TO 2000W TOTAL LOAD
- DC / IMPEDANCE LOUDSPEAKER MONITORING
- EN54-16 COMPLIANT

OVERVIEW

ASL's INTEGRA all-in-one network enabled voice alarm solution is available with three, five and ten channels of amplification. The unit has 12 audio inputs and internal storage for up to 64 recorded messages. With a maximum power of 2000W, integrated audio-over-IP networking, powerful audio processing, and integrated battery supply all in a compact wall-mount enclosure, INTEGRA provides a complete voice alarm solution for both medium to large centralised and decentralised PAVA systems.

NETWORK AUDIO

Up to 32 INTEGRA can be linked over IP to enable broadcasts from any location to any combination of zones in large decentralised systems. ASL's Ethernet switches enable a voice alarm compliant ring network topology. INTEGRA and the rack mount equivalent VIPEDIA-12 interoperate seamlessly. Each INTEGRA can process up to 6 concurrent audio channels.

AMPLIFICATION

Three variants are available, with either 3, 5 or 10 channels of amplification. One amplifier can be configured as either a standby or active amplifier. Each individual amplifier can deliver up to 500W, with a total maximum overall load on one INTEGRA of 2000W. Each amplifier provides dual isolatable A and B loudspeaker circuits and supports both DC and

Impedance line surveillance. For applications which require maximum availability, two internal standby amplifiers are supported (requires the optional V2000-STBY module.)

AUDIO INPUTS

INTEGRA supports ASL MPS and EMS paging microphones. Two of the twelve microphone inputs provide hardware bypass to ensure continued all-call Emergency microphone operation even if the INTEGRA router's DSP or CPU have failed. Up to 64 monitored recorded messages can be stored internally, with a total duration of up to 40 minutes.

AUDIO PROCESSING

Powerful DSP based audio processing include input dynamics, individually adjustable digital output delay of up to 5 seconds, and 10 band parametric equalisation.

CONTROL

The unit also includes 12 general purpose control inputs,12 general purpose control outputs and two relay outputs. Inputs are typically used to interface INTEGRA to the Fire Alarm System. Control capability can be expanded to more than 100 GPIO connections using the BMB01 unit if required.
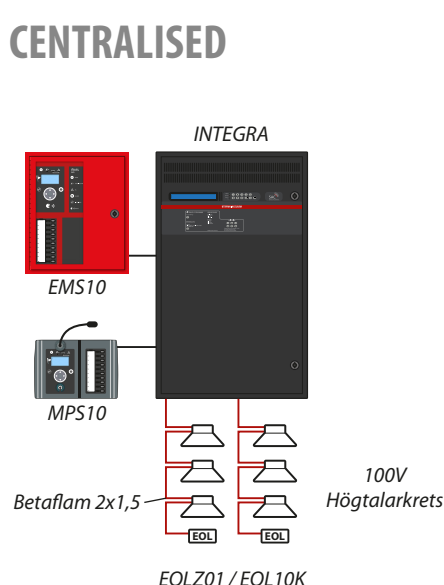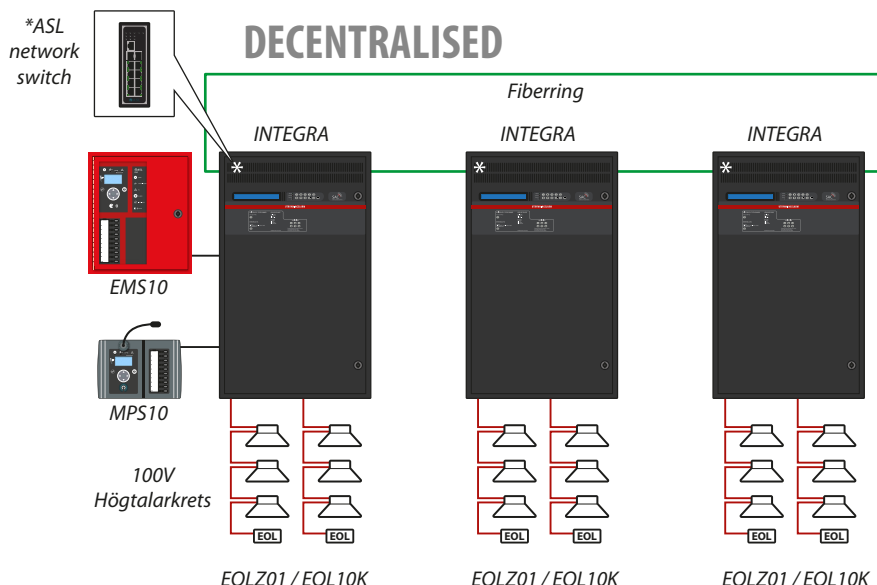
SBSC

INTYGAD PRODUKT

UTRYMNING MED TALAT MEDDELANDE
ASL INTEGRA

CENTRALISED

ASL network switch

DECENTRALISED

Fiberring

INTEGRA

EMS10

MPS10

Betaflam 2x1,5

100V Högtalarkrets

EOLZ01 / EOL10K

INTEGRA   INTEGRA   INTEGRA

EMS10

MPS10

100V Högtalarkrets

EOLZ01 / EOL10K   EOLZ01 / EOL10K   EOLZ01 / EOL10K

TECH SPEC

POWER

AC Supply Voltage	230V (+25% / -16%)
AC Supply Frequency	50 / 60 Hz
Quiescent Current *(no amplifiers)*	525mA
Quiescent Current *(per amplifier)*	23mA
Maximum Audio Output Power	2000W

BATTERY PACK

Capacity (Ah)	75AH
Capacity (T)	24 hours *(quiescent)* + 30 mins *(full power)*

AUDIO - GENERAL

Digital Format	48kHz / 24-bit PCM
THD	<0.01% at 1 kHz
Crosstalk	>70 dB at 1 kHz
Residual Noise	<90 dBu (A)
Frequency Response	20 Hz to 20 kHz ±0.5 dB

AUDIO - INPUTS

Analogue Input Channels	12
Input Sensitivity	-60 / - 40 / -20 / 0 dBu
Max Input Level	+20 dBu
Input Trim	–90 dB to +10 dB *(1 dB steps)*
Switchable HPF	20 to 500 Hz / Slope: 12 dB/oct
EQ	4 Band Parametric
Dynamics	Gate/Compressor/Limiter
Chime	Off / 1 note / 2 note / 3 note / Custom
Chime Level	-60 dB to +10 dB (1 dB steps)
Hardware bypass broadcast capability	2 inputs

AMPLIFICATION

Type	Transformerless Class D
Amplifier Channels	2 / 5 / 10
Standby Amplifiers	2 Max
Power output	500W
Efficiency	>=85%
Frequency response	100Hz to 20kHz +/- 3dB
THD	< 0.5%
Output Noise	85dB below full output

AUDIO PROCESSING

Delay *(per output)*	1 ms to 5000 ms *(1 ms steps)*
EQ	10 Band Parametric
Dynamics	Limiter / Hard Clipper
Loudspeaker Monitoring	DC, Impedance, Loop Return

CONTROL INTERFACES

Inputs	12
Outputs	12 *(open-collector)*
General Fault Relay *(With N/O, COM, connections)*	1
Voice Alarm Indicator Relay	1
BMB01 IO Expansion Interface	1

ENVIRONMENTAL

Operating	-10°C to +40°C
Storage	-20°C to +55°C
Humidity Range	0% to 93% non-condensing
Ingress Protection	IP32

MECHANICAL

Finish	Low Smoke Zero Halogen *(LSZH)*
Dimensions *(H x W x D)*	980mm x 600mm x 220mm
Weight *(no amplifiers)*	40kg
Weight *(BPC75-BAT batteries)*	46kg
Weight *(per amplifier channel inc. surveillance)*	0.8kg

SAC Nordic AB reserverar sig för eventuella fakta– eller tryckfel i denna trycksak. SAC2351-3

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INTYGAD PRODUKT