

## **VA400 PA/VA** **Tyco System Products**

*The VA400 has been designed to address the needs of the small PA/VA system. Fully compliant with BS5839 and BS60849 the VA400 system provides the user with a wall mounted and cost effective easy to install solution for systems up to 800Watts output.*



### *VA400 Central Equipment*

#### **Key Features**

- ✦ Compact wall mounted unit
- ✦ Saves space and weight
- ✦ Simple to install
- ✦ 4 point wall mounting brackets
- ✦ Robust industrial grade IP54 enclosure
- ✦ Detachable top entry glanding plates
- ✦ Comprehensive monitoring package exceeding the requirements of BS5839 Pt 8
- ✦ Up to 400W of amplifier power (300W when configured as dual circuit with hot standby) two VA400 units can be driven from the microphone access panels thus providing up to 800W of amplifier power
- ✦ Full equipment status display
- ✦ Two fully monitored digitally stored messages
- ✦ Facility for external centrally synchronised message source
- ✦ Expandable to 8 separate speech paths
- ✦ Up to 8 x 50W amplifiers (expandable to 16x50W)
- ✦ Hot standby amplifier capability to BS5839 Pt 8
- ✦ Amplifier patch allowing flexible zone/100V loudspeaker power outputs allowing up to 8 separate 50W 100V loudspeaker outputs (expandable to 16 circuits) or 4x100W loudspeaker outputs (expandable to 8 circuits)
- ✦ Standby battery support 2.4 hour/0.5 hour (Batteries supplied and fitted as part of commissioning package)
- ✦ Fully zonable entertainment input
- ✦ Pre-configured for up to 4 full facility, fully monitored microphone access panels
- ✦ Earth fault monitoring on all loudspeaker circuits

### *Mechanical Specification*

Height	Depth	Width	Weight Approx	IP Rating
800mm	250mm	600mm	30Kg 50Kg c/w batteries	IP44

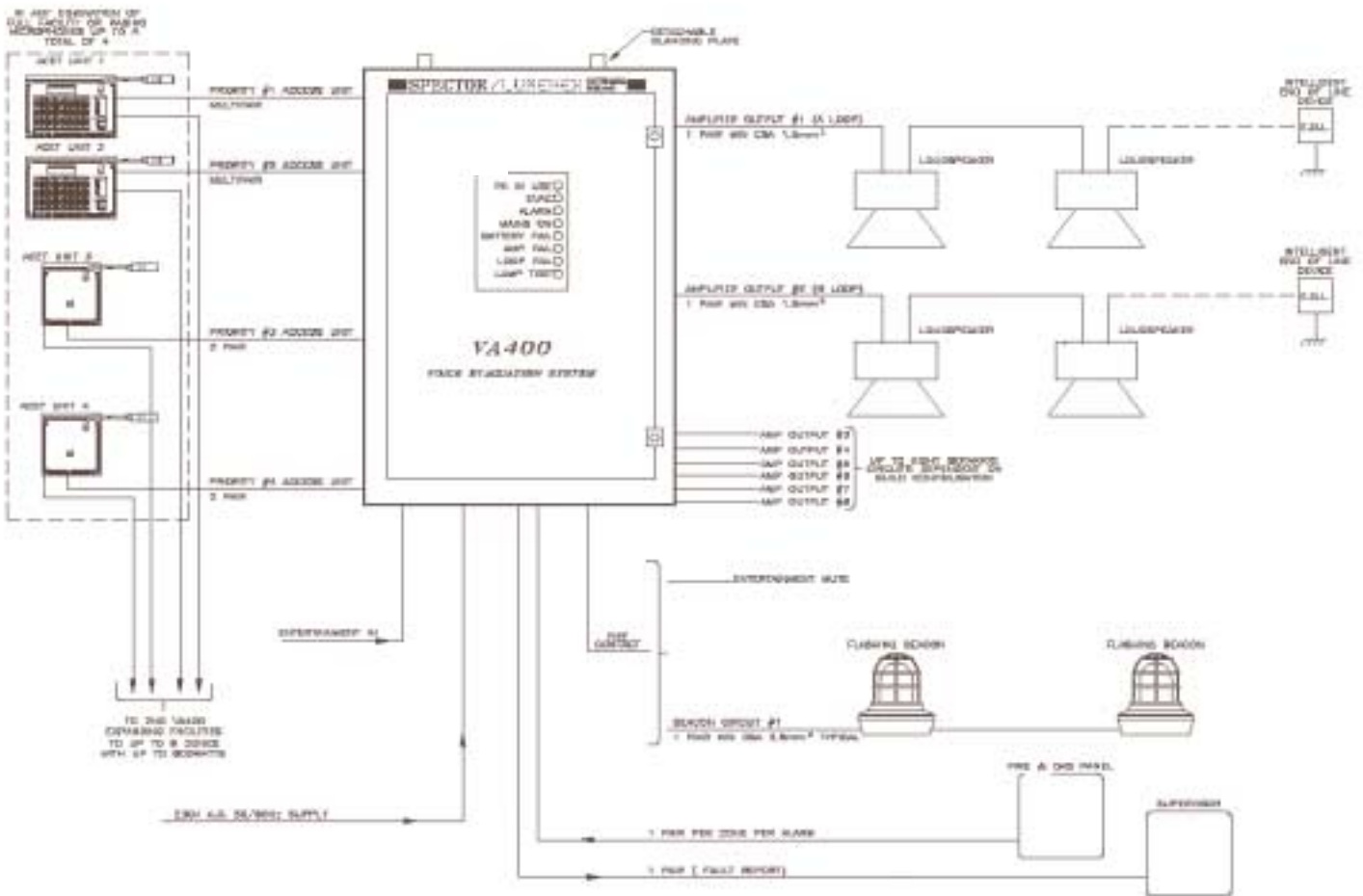
### *Electrical Specification*

Fault Supervisory	Volt free (open in fault) contact rated 1A 24V DC
Auto Alarm Input	1 "momentary" contact input per alarm, per fire zone requiring volt free normally closed condition in quiescent and open condition of at least 50milliseconds to initiate alarm
"Fire Contact"	Volt free contact rated at 1A 24V for initiating visual warning devices or monitoring entertainment systems
Battery Support Time	24 Hours quiescent 30 Minutes speech/alarm
Mains Supply	230 VAC 50/60Hz (+/- 10%)
Consumption	Maximum 800VA Quiescent 50VA
Heat Emission	Maximum 400 Watts
Output	100 Volt Line (70 volt line to special order)
Amplifier frequency response	-3dB points 150Hz to 20KHz
Amplifier Distortion THD	Better than 1%

### *VA400/zonable full facilities mic*

#### **Key Features**

- ✦ High quality hyper-cardioid microphone
- ✦ High reliability sealed tactile membrane
- ✦ User re-labellable
- ✦ Facility to expand up to 2 VA400/400 units
- ✦ Full audio and data monitoring
- ✦ Cable sever data transmission
- ✦ Last ditch processor by-pass all call selector
- ✦ 8 audio broadcast zone selectors
- ✦ 8 evac message selections
- ✦ 8 alert message selections



### VA400 Order Code Information

		Quantity
VA400	Central Equipment Comprising VA400 Enclosure, VA400 Motherboard, VA400 Power Supply, VA400 Status Display, VA400 Battery Support, fitted with VA400 Plug-in Message Store (EVAC), VA400 Plug-in Message store (alert), VA400 Plug-in Configuration Card.	1 off per installation
VA400 4x50W	Basic configuration allowing 4x50W single loop zones, or 2x100W dual loop zones or 3x50W single loop zones with hot standby	
VA400 8x50W	8x50W amplifiers to provide either 4x100W zones (either as a single loop or a dual loop) or 3x100W zones (either as a single loop or a dual loop) with hot standby	
VA400EOL	100V End of Line (EOL) Monitor Unit for monitoring loudspeaker loop continuity of spurs from VA400	1 off per speaker cct
VA400 Full Facilities Mic	Full facilities microphone control panel providing zonable speech & zonable manual alarm initiation Each microphone is capable of driving up to 2xVA400 units	Up to 4 per VA400
VA400 Single Zone Paging Mic	Single zone paging microphone comprising: 1 push to talk/zone selector key Operator tamper resistant microphone level and tone adjustment	

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