

MT50-20-MAS-EX

EXPLOSION PROOF TALKBACK & PA CONTROL SWITCH

DS-157 Issue 01



Thank you for your interest in Zitzel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Marine, Offshore, Hazardous Oil, Gas and Petrochemical industries.

The MT50-20-MAS-EX provides combined public address paging and talkback facilities enabling a totally integrated communication system in one simple to install and maintain package without reliance on a hazardous area.

The system incorporates a total of 300Watts audio power as a base configuration with almost limitless expansion capacity.

ZITTEL MT50-20-MAS-EX

Combined talkback/PA – Simple operator interface

Flexible operation in a marine environment – Low through life cost

The Zitzel MT50-20-MAS-EX is a robust explosion proof ATEX central panel designed to support up to twenty “talkback” subscribers with an option for four public address paging zones in a hazardous area.

The unit comprises of an Ex d wall-mount enclosure which is equipped with a single motherboard which carries two 100 Volt line audio power amplifier modules. Talkback paging is sourced from a 100 Watt amplifier with supplementary public address provided by a 200 Watt power module. No safe area is required.

Where greater power amplification wattage is required, it is possible to extend drive to external Zitzel 350A high power 350 Watt modules which can be assigned to a virtually unlimited power capacity.

Where PA is specified the package includes alarm tone generation with automatic broadcast on an all zones basis. Routine and emergency speech inputs enable both all zones selectively and selective zonal broadcasts for non-essential messages.

The system is designed to run from a secure 24Vdc mains supply and an auxiliary convertor enables energisation from an AC supply when required.

The MT50-20-MASEX is fitted with two control relays to enable management of flashing beacons, which supplement acoustic broadcast in high noise areas.



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Technical Specification	
Supply	24Vdc (90Vac – 254Vac with integral convertor installed)
Consumption Maximum	16A
Tolerance Operating Voltage	18Vdc – 30Vdc
Talkback Stations	Up to 20
Public Address Zones	Up to 4
Alarm Tones	2 to comply with IMO SOLAS
Pre-announcement gong	800Hz/400Hz: tone set
Configuration	Pre-configured with file download possibility for client specific cause and effects
Dimensions	Approx. 600mm x 400mm x 300mm
Enclosure	LM6 marine grade alloy
Weight	40kg
Temperature Range	-20 °C to +50 °C
Location	Zone 1 hazardous areas

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