zenitel

DATASHEET



1007095000

ATEX IIC T6

Explosion-Proof Master Station

Description

- Heavy duty industrial ATEX master station
- Designed for the Vingtor-Stentofon AlphaCom exchange
- Robust buttons for:
  - Call buttons (0-9)
  - Press to talk for optional simplex conversation (M)
  - Cancel (C)
- Rugged weatherproof cabinet of lacquered steel
- Handset for soft speaking conversation

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- Requires an external loudspeaker
- Relay output for control of optional signal units
- Advanced supervision functions

Power is needed for the internal 10 W amplifier to drive an 8 Ohm or 20 Ohm speaker. The station is connected to the exchange using a 3-pair cable.

The handset microphone is always connected, thereby permitting direct answer back when receiving a call.When using the handset during conversation, the external loudspeaker is turned off.

An optionally connected call warning device will also turn off when lifting the handset for conversation. The conversation will be cancelled by placing the handset back on hook, or by pressing the "Cancel" button.

The station is made for duplex conversations but can be put in simplex mode by pressing the Mbutton in the station, or the talk button in the handset.

To provide maximum availability the station comes with advanced supervision functions. The station line test will detect if there are any faults in the network or station electronics. In addition the station supports tone test, testing the complete transmission path including microphone and speaker. The status of the stations is reported to AlphaWeb as well as to 3rd party management systems using SNMP, Syslog, OPCor the Vingtor-Stentofon Software Development Kit (SDK).

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Specifications

GENERAL

Dimensions (WXHXD)	215 x 687 x 187 mm
Protection	EX de [ia] IIC T6
IP protection	Cabinet IP-65
Handset	Intrinsically safe, via zener barriers inside the EXd enclosure
Weight	23 kg
Temperature	-40oC to +55oC
Internal power amplifier	10 W
Relative humidity	0%-95%
Power amp operating voltage	24-30 VDC
Loudspeaker	External 8 or 20 ohms loudspeaker must be installed
Material	Cabinet is in laquered steel, light grey
Keypad	12 buttons: 0-9. M and C
Cable requirement	2 pairs for audio plus 1 pair for 24-30 VDC to power amplifier
Max loudspeaker output	5 W with 20 ohms loudspeaker, 10 W with 8 ohms loudspeaker
Distance to exchange for audio	4.0 km (18 AWG - 0.9 mm), 3.4 km (20 AWG - 0.8 mm), 2.0 km (22 AWG - 0.6 mm)
Distance to power supply	8 ohms loudspeaker, 24 VDC, 0.6 mm: 70 m, 0.8 mm: 100 m, 1 mm: 200

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	m
	8ohms loudspeaker, 30 VDC, 0.6 mm: 150 m, 0.8 mm: 250 m, 1 mm: 450 m
	20ohms loudspeaker, 24 VDC , 0.6 mm: 150 m, 0.8 mm: 250 m, 1 mm: 400 m
	20ohms loudspeaker, 30 VDC, 0.6 mm: 350 m, 0.8 mm: 650 m, 1 mm: 1000 m
Control of external call device	Potentially free relay contact (3A, 30 VDC)
Connector type	Screw terminals
Compliance	CE, FCC Part 15

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