industrial IP42 desk intercom station with robust IK8 ALU enclosure IP66 keypad and loudspeaker OCEAN® model OCS160TD

OCEAN® DESK MOUNTING MASTER STATION

Professional **IP42 Heavy-Duty** OCEAN® intercom station, **aluminum body** and metal made **heavy duty IP66 – IK8 keypad and loudspeaker**, graphic retro-illuminated LCD display, hands-free **PTT conversation**, suitable for high noise areas (up to 90dB), with gooseneck microphone and integrated 5W loudspeaker, model **OCS160TD**

Order code: OCS160TD

Main Functions

- Single call to any other station by a two digit numbering plan
- General Call (paging) on all the stations by dedicated push-button "GC"
- Conversation in Push-to-Talk mode suitable to assure high quality conversations in high noisy areas (>90dB)

Electrical Characteristics

integrated loudspeaker:..................... 5 W$_{RMS}$ 90 dB@1m
audio amplifier:...15 W$_{RMS}$ 16Ω
built-in microphone: ....electret
consumption: ....max 1,0A@24Vdc (15WRMS)
impedence off-hook: .... >10 Mohm
transmission:..0db/600Ω
power-supply: .... 24Vdc ±10%
optional power-supply (on demand): .... 48Vdc ±10%

Keypad, Display and LEDs

#10 numbering keys (0÷9)
#1 PTT (Push-To-Talk) button
#1 Conference button
#1 General Call button
#1 CANC button
#2 buttons for volume adjustment
#1 LCD graphic, retro-illuminated (128x64 pixel)
#2 Red/Green LEDs indicating Tx/Rx condition

The intercom system OCEAN® is based on a "distributed intelligence". Each single intercom station is a self-standing autonomous unit, totally independent by the others. The system does not need a centralized switching unit, but a simple telephone cable (2x0,6mm) where all the stations are connected in parallel.

Shock-Resistance: ....IK08 [EN 60950]
Protection index: .... IP42 [EM 60529]
Working temperature: .... -20°C +70°C
Body:..aluminum + polycarbonate
Mounting: ....on desk
Wiring: ....screw terminals Ø1,5mm
Dimensions: ....303 x 181 x 46 mm (excluding microphone)
Weight: .... 3,0 kg
MTBF:... 180.000 hours
MTTR: .... <3 minutes

Wiring

The station must be connected in parallel to all the others on a simple 2x0,6mm telephone cable (>15km). It must be powered at 24Vdc.

Installation, Operation and Maintenance Procedures

- The intercom station is delivered with its connection cord 1,5 m terminated on a small terminal box for wall fixing
- Connect the signal wires and the power-supply 24 Vdc at the screw terminals following the instructions of the user's manual
- If you want to supply it at 48 Vdc follows the setting instruction on the owner's manual
- Check the impedance of the external loudspeaker (if any) before connecting it to the internal amplifier (load must be not less than 16,00Ω)- Adjust the output by the internal trimmer (see technical manual)
- For optimum performance, always use the correct voltage 24Vdc±10%
- This equipment is supplied with a 2 year warranty against defective workmanship