OCEAN® Clean-Room IP67 washable and decontaminable flush-mounting hands-free intercom station class 5 - ISO 14644-1, model OCS250T

OCEAN®   CLEAN ROOM MASTER STATION

Weather-proof **IP66 & IP67** intercom station series **OCEAN®** for installation in **Clean Rooms**. Flush-mounting, it is realized by a smooth Autotex®AM front plate **washable** & **decontaminable** accordingly to ISO 14644-1 class 5. It works in Push-to-Talk (PTT) mode, also in very **noisy areas**.

model **OCEAN® OCS250T**

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:

power-supply: .... 24Vdc ±10%
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 MΩ
transmission: 0db/600Ω
programming: .... 100% by keypad

Keypad:

#10 numbering keys (0÷9)
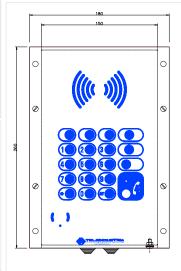#1 PTT (Push-To-Talk) button
#1 Conference button
#1 General Call button
#1 CANC button
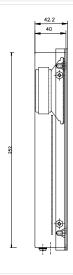#2 buttons for volume adjustment

LEDs:

#2 Red/Green LEDs indicating Tx/Rx condition
#1 Red LED indicating status "on line"

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: .... IP66-IP67 [EM 60529]
Working temperature:.. -20°C +70°C
Wiring:.. screw terminals Ø1,5mm
Dimensions: .... 180 x 260 x 42 mm
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

- Open the front panel, fix the flush frame in the panel accordingly to the instructions of the operator's book
- Pass the cables through the cable inlets being sure that the cable fit with the rubber gasket
- Connect the telephone wires at the screw terminals as indicated in the operator's book
- Make a functional test calling another extension and asking to be re-called
- Close the front panel accordingly to the instructions of the operator's book