

Section Sound Broadcasting Systems

Category Intercom systems

Range ITC

Code ITC4000

Description Intercom system for counters

The **ITC4000** system has been specially designed to allow for a 'hands-free' conversation between counter staff and customers. By way of microcontroller management, this HALF-DUPLEX intercom system provides a good level of communication between the operator channel and the customer channel, avoiding unpleasant feedback caused by the "Larsen effect".

The system can be set up with 2 operating modes:

- HF HANDS FREE > no need to push a button, as both channels are open in automatic or forced manual switching.
- PTT PUSH TO TALK > closed channels with forced manual activation.

Once again thanks to the use of a microcontroller, the intercom has an automatic timed "STANDBY" function which, after a certain period of inactivity, deactivates and mutes both channels - a function useful to prevent disturbances when there are no customers at the counter - thus allowing the operator a greater degree of privacy. The "STANDBY" function is automatically deactivated when any button is pressed, or when a signal is received from the external microphone.

The ITC4000 system is completed by the **C401-B** speaker unit for the listening function from the Customer side. This speaker unit is made of an extremely sturdy aluminium structure and is suitable for vandal-proof applications (such as railway/subway stations, night pharmacies and so on).



The **ITC4000** system includes the following components:

- Intercom base, equipped with dynamic microphone on a flexible stem (L = 40cm).
- External 230 Vac / 12 Vdc power supply.
- Electret wall microphone (Paso code 27/4728-R), equipped with shielded cable (L = 3m).
- C401-B loudspeaker in extruded aluminium for the public side, complete with connection cable (L = 2.5 m).
- Manual for use and installation.

Technical data

| MODEL | ITC4000 |
|--|------------------------------|
| Rated power | |
| With 50 Ω internal loudspeaker | 200 mW |
| With 16 Ω external loudspeaker | 600 mW |
| Sensitivity of the microphone capsules | |
| Electret wall microphone | -47 dB (0 dB =1V/Pa a 1 kHz) |
| Dynamic station microphone | -54 dB (0 dB =1V/Pa a 1 kHz) |
| Power supply voltage | 12 Vdc |
| General | |
| Absorption | 40 mA ÷ 200 mA |
| Frequency response @ -3 dB | 300 ÷ 3400 Hz |
| Length of microphone unit stem | 40 cm |
| Microphone unit dimensions (L x H x D) | 116 x 60 x 200 mm |
| Net weight of microphone station | 0,9kg |

Technical data

| MODEL | C401-B |
|--------------------------------|------------------|
| Rated power | 3 W |
| Impedance | 16 Ω |
| Loudspeakers | 1 |
| Efficiency 1W/1m | 87 dB |
| Dispersion angle @ 2kHz | 200° |
| Frequency response | 300 ÷ 12.000 Hz |
| Bracket fixing hole | Ø 7 mm |
| Dimensions (excluding bracket) | 95 x 105 x 77 mm |
| Net weight | 0,6 kg |