

IBS base station

Installation

Edition : 1

tpbase

rfu

remarks

1. General

This module describes the installation procedure for an indoor IBS base station (4070-IO).

The procedure is as follows:

- securing the base station on its wall clamp,
- Cabling the base station.

Caution: it is first necessary to read the information given in before beginning the base station installation.

The IBS base station positionning instructions are given in the following module: module *DECT - Installation - Base station positionning rules*.

2. User information

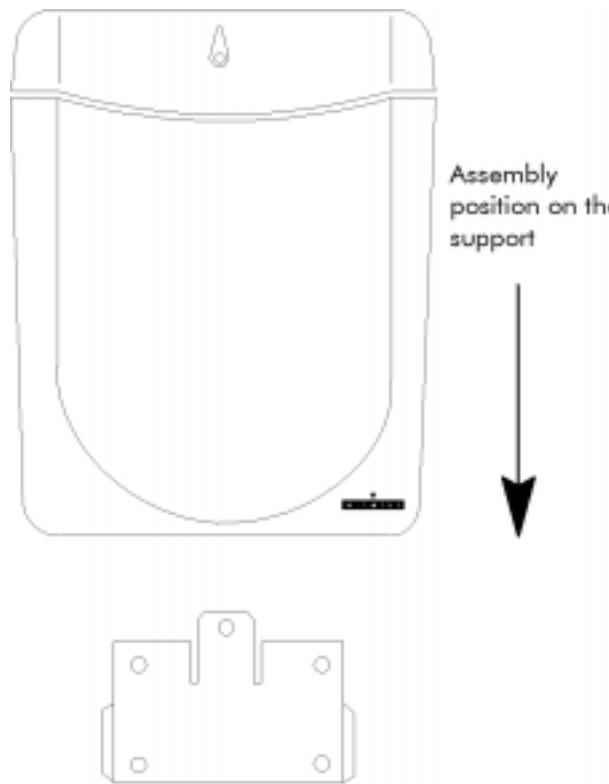
Note to installers:

In order to comply with the FCC RF exposure requirements the base station must be installed with a minimum separation distance of 20 cm from the antennas to the user or near by persons.

3. Securing the indoor IBS base station (4070 IO)

The IBS base station is packaged with a securing metal clamp. It can be used as drilling template for the holes. The base station must be fitted with the LED in the upper position (alcatel logo in the correct direction)

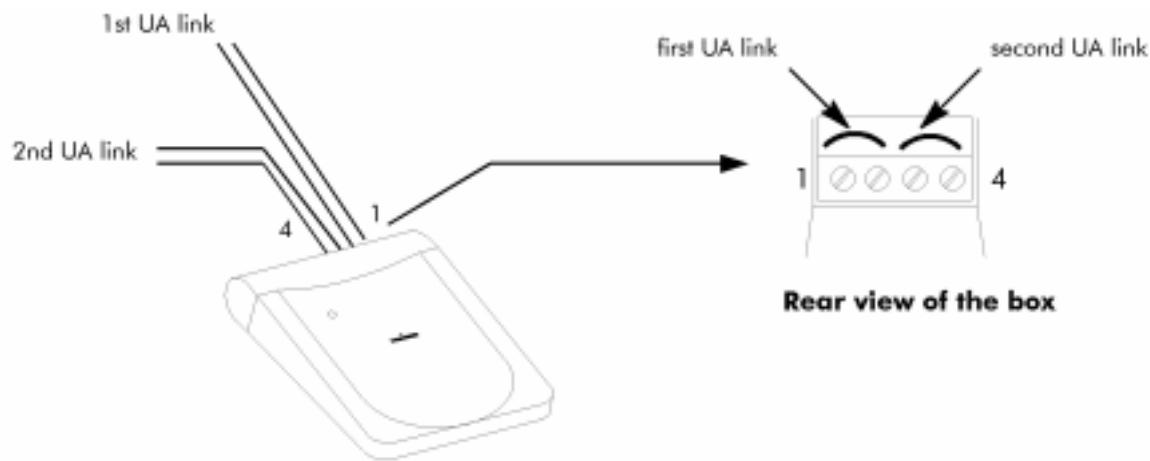
Figure 1 : Securing the IBS base station



4. Cabling the IBS base station

The IBS is connected at the back of the UA board via 2 UA links to two consecutive equipment starting with an even number. The first link (twisted pair cable) must be connected to the pins 1 and 2 of the terminal block. The second link is connected to pins 3 and 4:

Figure 2 :



Remark: Pay great attention to the IBS cabling, specially use pair cable and do not mix different pairs.

A local supply may be useful, according to the type of cable, its quality and the distance between the PABX and the installation.

Max. connection distance

According to the cable used:

Cable reference	Max. length
SYT 0.5 mm	800 m
LY278 0.6 mm	1200 m

5. IBS base station LED

LED status	Base station status
off	No power (local or remote) or base fault
on	Fault after self-test OK, base not operational
1s on / 1s off	Self-test OK, base operational. Normal operating status on 2 UA links (6 channels)
0.2s on / 1s off	Self-test not OK, base operational
0.2s on / 0.2s off	Production test