

IHM COM51

Base station telephone controller



IHM COM51 Base Station Telephone Controller

The IHM COM51 interfaces to either a DTMF telephone or a PBX city or trunk line forming a basic single site radio system.

The IHM COM51 includes selective calling by using standard ZVEI and CCIR tone signalling. The tone system can include up to 20 digits and consequently all 4, 5, 7, 10 or 11 tone systems are supported. Also 5 and 11 tone systems are supported at the same time.

IHM COM51 contains the following interfaces:

- Radio - 4-wire audio + key and squelch.
- Telephone - 2-wire analogue, providing DC & ringing voltages.
- AUX - 4-wire audio + key and squelch can be used for a dispatch terminal, a second radio base station, a test handset or cascade coupling another COM5x controller.
- RS232 - Two COM ports.

IHM COM51 Interfaces:

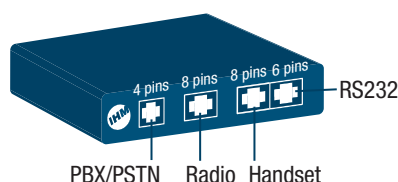
- Tait TB7100, TB8100, T800
- TP Radio BS2000, TP6000, TP929
- Motorola CM, GM Series, MTR 2000, MTR3000
- ICOM 110A
- Sailor 6000 series

With its flexible/programmable radio interface it may also support other types and brands than listed above.

IHM-COM51 technical details:

Supply voltage: 10.8 - 15.6V DC feed from the Base Station or AUX equipment.

Current consumption: <200mA



Telephone interface

The interface is transorber protected against high tension and static charging.

Ringing voltage: 48V AC

Line voltage: 26V DC

Line current: 25mA

Max. distance: 300 meters using 0.5 sq. mm twisted pair telephone cable.

Connector: PDS 2/4

Radio interface

AF output level min.: -31dBm

AF output level max.: -6dBm

AF input level min.: -20dBm

AF input level max.: 5dBm

TX key output: Relay output

Squelch input: Logical 0 or 1, dual input

Power supply: 12V DC input

Connector: PDS 8/8

AUX (Handset) interface

AF output level: 245mV/600ohms (-10dBm)

AF input level: 245mV/600ohms (-10dBm)

TX key output: Relay output

Squelch input: Logical 0 or 1

Connector: PDS 8/8

RS232 port

COM1: RXD, TXD, GND

COM2: RXD, TXD, GND

Connector: PDS 6/6

Dimension

W x D x H:

PCB: 100 x 120 x 10mm

Box: 110 x 130 x 28mm

The IHM-COM51 Base Station Controller can be used as a Phone Patch or a Base Station controller in a single site communication system connected either directly to a telephone or to a PBX city or trunk line.

In both instances IHM-COM51 may also control the repeater function – also known as Talk through or Relay function.

IHM P/S
Vandtaarnsvej 87
2860 Soeborg
Denmark

Tel. +45 39 66 31 31
info@ihm.dk
CVR nr. 11 84 50 45
www.ihm.dk

Revision date: 22 December 2015

