

# FHF

FUNKE+HUSTER-FERNSIG

## Enter the Digital Age of Industry



# Now you may enjoy the comfort of ISDN even in an industrial environment.

## – robust and weatherproof –

Everyday life without fully digitalised ISDN telephones is no longer imaginable.

Until now, the advantages and possibilities of digital telephony have stopped short of areas where industrial production or outdoor storage facilities with extreme environmental conditions have to be connected to a telephone network.

FHF is the first manufacturer worldwide to conceive and build an ISDN telephone for industrial use.

Our FernTel Euro-ISDN is a desk/wall telephone with an attractive, modern design; it may be delivered in various colours and is, of course, weatherproof (IP 66).

The device is designed for use in digital PABX's and digital public networks with S/T bus and Euro-ISDN (DSS 1) protocol.

### The most important features:

- Euro-ISDN-S/T Telephone Desk/Wall telephone for indoor and outdoor use
- Robust and weatherproof
- Handset retaining mechanism
- Loud hearing
- Telephone directory
- Call deflection
- Automatic callback
- Last number redial
- Automatic last number redial
- On-hook dialling
- **Multi Subscriber Number Programming**
- Recall function
- Switching between calls
- Conference call
- Call list
- Call filter
- Notepad
- Keypad protocol
- Call charge display
- Telephone lock (total, partial, direct call)
- PIN code
- Key click
- Various ringing tones
- Receiver volume adjustable
- Loudspeaker volume adjustable
- Multi-language menu guide: English, French, Italian, Spanish, Dutch, Swedish, Finnish



*FernTel Euro-ISDN is supplied in black and 2-colour black/yellow. This device may, after a simple reassembly, be used as a desk telephone. Loosen the screws, turn the top cover with the handset 180° and screw it back on again.*



## Technical specifications

### Connection data

Electrical connection	ISDN-S/T-bus, 4 conductors
Transmission protocol	Euro-ISDN (DSS1)
Ring indicator	Max. switching voltage 60 V <sub>dc</sub> / 48 V <sub>ac</sub> Max. switching current 1 A Max. switching power 30 W/48 V

### Housing

Material	Polycarbonate
Dimensions	Approx. 270 x 200 x 138 mm (H x W x D)
Weight	Approx. 1.6 kg
Display	16 digits, 7 segments, digit height 7 mm 128 x 8 matrix line, height 4.5 mm, illuminated
Operating position	Desktop or wall mounting
Colours	Black Black/yellow

### Handset

Transmitter capsule	Electret microphone
Receiver capsule	Dynamic capsule with additional diffusion-field coil (hearing aid)

### Acoustics

Ringer	11 melodies, 7 sound pressure levels
Ringer volume	Approx. 96 dB(A) at 1 m distance
Receiver volume	6 adjustable temporary levels
Loudspeaker volume	6 adjustable, temporary and permanent levels

### Operating modes

Off-hook dialling	
On-hook dialling	
Loud hearing	Listening-in function via built-in loudspeaker

### Connections

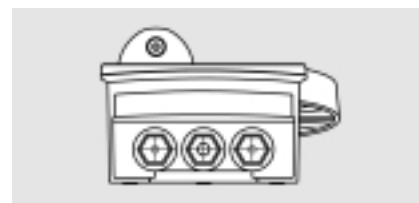
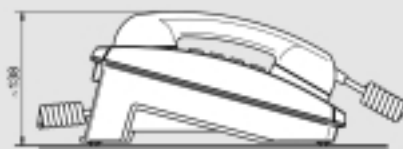
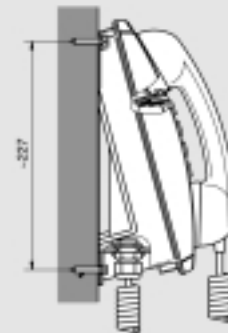
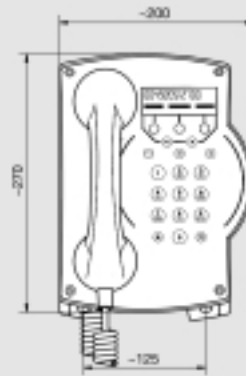
Connection terminals	Conductors up to 2.5 mm <sup>2</sup>
Loudspeaker	Permanently connected
Receiver	Modular plug-in system

### Ambient conditions

Temperature range	
Operation	-20° C to +60° C
Storage	-30° C to +70° C
Protection degree	IP 66

### Conformity

Acoustics	TBR 8
Net Access	TBR 3
EMC	EN 55022, EN 55024
Electrical Safety	EN 60950



1 cable gland handset  
1 cable gland M 20 x 1.5  
1 blind plug M 20 x 1.5

## Order information

Type	Name	Version		Article no.
WTS Euro-ISDN	Desk/Wall telephone	Colour black	with spiral cord	112 710 90
WTS Euro-ISDN	Desk/Wall telephone	Colour black/yellow	with spiral cord	112 710 91
WTS Euro-ISDN	Desk/Wall telephone	Colour black	with armoured cord	112 730 90
WTS Euro-ISDN	Desk/Wall telephone	Colour black/yellow	with armoured cord	112 730 91