

# Handsfree telephone *HVI-TEC 2013/2113*

## HVI-TEC DOOR STATIONS FOR OFFICE BUILDINGS & COMMERCIAL BUILDINGS

### 3 programmable direct call buttons

- Moisture-proof housing; Speakers, buttons – IP 65
- High volume and background noise cancellation
- Analog telephone electronics, can be connected directly to any POTS line

- Duplex HD Voice, voice quality
- Remote programmable direct call buttons



Number of call buttons may differ from the picture

#### Door communication in obstacle-free buildings

The Disability Equality Act requires that in public and private buildings open to the public as well as in larger apartment buildings, barrier-free access and use is guaranteed for everyone. Special telephones play a major role here: In order to make it easier for people with disabilities to operate a door intercom system, we recommend the following equipment:



Option BehiG



Blind cover  
2000BC/2100BC



On wall box, for surface mounting  
2000AP/2100AP



In wall box for flush mounting  
2000UP/2100UP

A company's entrance is what customers see first. An exclusive and customized door intercom acts like a business card and leaves a first positive impression. The HVI-TEC door intercoms are made of pure stainless steel and impress with their quality, elegant design, durability and protection against vandalism. The front panels are finished with a fine vertical cut, the call buttons are polished. The exclusive door stations are available with analogue and IP technology. On request, with optional customer-specific engravings, lettering, decorations and digital printing, each door station can be delivered with a personal touch, we will be happy to advise you.

HVI-TEC door stations are integrated into your existing telephone or data network and enable both communication with customers waiting in front of the door and opening the door by phone or smartphone. Choose your perfect door station from the numerous technical features!

#### Option: Know who rings the bell when you are on the road

Would you like to see who is ringing before opening the door? Thanks to a door station with an IP camera, you always have an eye on the entrance area even during the lunch break! A door station with an IP camera and SIP app makes it possible to transmit images and speech to your smartphone in a smart and secure manner.

### Technical data

|   |  |
|---|--|
| Connection type:  | analog telephone network, a/b interface  |
| Power supply:   | via the a/b interface  |
| Loop voltage:   | 20 - 70VDC   |
| Loop current:   | 20 - 60mA  |
| Additional supply:  | 12 - 15VDC potential-free<br>HVI-TEC power supply or other additional supply in connection with<br>HVI-TEC DC/DC converter; per power supply a door station possible |
| Completion:   | Zr after TBR 21  |
| Detected call signal:   | cannot be specified precisely, since it depends on the amplitude,<br>frequency and duration of the call signal   |
| Detected busy signal:   | 400 - 450Hz sine   |
| Recognized busy signal duration:  | signals with 160 - 700ms tone or 160 - 700ms pause   |
| Dialing method:   | DTMF, 50/50ms (tone/pause)   |
| Built-in relays:  | 2 pieces (2 switching relays)  |
| Relay switching capacity:   | max. 60VA 24W: 0,5A 120VAC or 1A 24VDC (ohmic load)  |
| Additional care on MLMs:  | max. current load 30mA per MLMs  |
| Memory:   | number memory without battery EEPROM, non-volatile   |
| IP protection class:  | 65   |
| Operating temperature:  | -20°C to +50°C   |
| Tested according to:  | TBR 21 and EG 201 121 (network access EU-wide)<br>EN 55022, EN 55024 (electromagnetic compatibility)<br>EN 60950 (electrical safety)                                 |
| Programming:  | programmable by phone with tone dialing and using buttons on the<br>circuit board (back of the phone)  |
| Dialing a stored number at the<br>touch of a button:                                    | Up to 8 buttons are supported, the buttons can also be equipped with<br>dot or ring lighting if required (Option Bel.)   |
| Housing, stainless steel pillars, rain protection, cover, etc. available as accessories |  |

| Dimension                     | Series 21XX (large) | Series 20XX (small) |
|-------------------------------|---------------------|---------------------|
| Handsfree telephone faceplate | 305 x 140mm         | 280 x 120mm         |
| Surface-mounted housing       | 305 x 140 x 62mm    | 280 x 120 x 62mm    |
| Recessed-mounted housing      | 279 x 114 x 50mm    | 256 x 104 x 50mm    |

| Ordering data                                      | Article number<br>Series 21XX (large) | Article number<br>Series 20XX (small) |
|--|---------------------------------------|---------------------------------------|
| Handsfree telephone 2013 analog                    |                                       | 2013                                  |
| Handsfree telephone 2113 analog                    | 2113                                  |                                       |
| Handsfree telephone 2013 VOIP                      |                                       | 2013IP                                |
| Handsfree telephone 2113 VOIP                      | 2113IP                                |                                       |
| Handsfree telephone 2013 VOIP with IP video camera |                                       | not available                         |
| Handsfree telephone 2113 VOIP with IP video camera | 2113IPC                               |                                       |
| On wall box, for surface mounting                  | 2100AP                                | 2000AP                                |
| In wall box for flush mounting                     | 2100UP                                | 2000UP                                |
| Rain cover   | 2100RD                                | 2000RD                                |
| Blind cover  | 2100BC                                | 2000BC                                |

**Option BehiG:** Large, self-explanatory pictograms make it easier for people with disabilities to distinguish between the phases „call“, „conversation“ and „door opening“. An additional voice announcement can be used to greet the visitor and help them find their way around.