

DIGIVOTE® III

Transponder TR30



BRÄHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice.

Description

The transponder TR30 processes all DIGIVOTE III VD30 keypad responses and communicates these to the PC software. It handles more than 10,000 keypads on one single radio channel. On the 433 MHz ISM band, 5 different channels can be selected to allow separate systems to operate independently. A special RF channel is reserved for configuration and maintenance purposes of keypads.

The transponder can operate USB powered in a small classroom environment or through RS232/485 serial communication, where long cable runs to the PC control are necessary. The rugged metal construction allows desktop operation as well as tripod or rigg mounting. An optional build-in battery prevents data loss in case of power failures.

Technical Data

Frequency

- 433 MHz ISM band
- 5 different RF channels selectable
- 1 separate configuration channel

Range

- The coverage is designed for up to 50 meter, depending on environment conditions.
- A room's geometry and RF propagation characteristics will influence actual range experienced. Elevating the base station often results in a performance advantage

Speed

- Over 200 keypads/sec. depending on voting mode and configuration

Power Supply

- via USB from user PC
- via power and charging adapter (optional) for use with serial cable

Connectors

- USB, optional power supply, XLR 5-pin socket, male
- RS232/485 serial port, XLR 5-pin socket, female

Indicators

- **RX**, indicates received signal
- **TX**, indicates transmitted signal
- **CD**, carrier detect, indicates frequency blocking
- **BAT**, indicates status of optional build-in battery

Antenna

- fixed mount, foldable antenna
- slewable for optimum performance

Housing

- Aluminium, anodized
- Color: silver
- 3/8" bushing for mounting
- fastening eye for safety rope

Dimensions

(220 x 135 x 55) mm, without antenna

Weight

1.1 kg

Accessories (not included in delivery)

Software DIGIVOTE III basic interactive (part. no.: S4.1190)

VD30 Wireless Voting Unit (part. no.: 04.0800)

Rechargeable battery 3.6V/4000mAh (part. no.: 12.1120)

NT-TR30 Power Supply powers transponder when used with RS232/485 connector (part. no.: 19.0853.X6)

TR30-USB/5 Connection Cable for USB connection (part. no.: 08.2410.5)

TR30-232/10 Connection Cable for RS232 connection (part. no.: 08.2145.10)