

## PRODUCT INFORMATION VD20/2A

### Voting Unit



#### Description

VD20/2A wireless voting units, also comprising the BRÄHLER ICS® ChipCard, represent the heart of the DIGIVOTE®2000 system, a computer-controlled voting and audience-response system. The original wired version of this system was launched onto the market as early as 1976 and has seen continuous further developments since that time.

The voting units serve to digitally process data produced by activation of their keys or the ChipCard, and send this data to the master control console by wireless transmission. DIGIVOTE®2000 systems are designed for use by 4.000 participants and are particularly suited to deployment in spacious areas. The distance between the individual voting units and the next respective transponder (cordless data terminal) may be as much as 30 metres.

The wireless voting units each possess an audience-response keypad whose development represents the outcome of many years of experience, the keypad comprising 11 coloured keys.

VD20/2A voting units are equipped with the ChipCard reader. This means that wireless voting systems are for the first time also secure against fraudulent use when it comes to personal identification procedures.

In practical terms this not only means that the ChipCard may be used to store or transmit other personal data, but that it may enable several people to "share" the voting unit by using it in turn. The ChipCard is the interlinking data carrier common to both systems, the DIGIVOTE®2000 and the Congress Data System® CDS-200.

The design of the VD20/2A voting unit is handy and compact, the unit weights only 300g including replaceable dry batteries. A set of batteries lasts for more than two thousand voting procedures. To ensure operability the unit possesses a battery check.

Operation of the unit is easy and requires no instructions. Whereas activation of the voting units is respectively effected by the first pressing of a key, the units are automatically turned off again after each respective voting procedure has been concluded.

Within the variable voting time one may change - depending on the operating mode- one's selection as often as one likes. Only the last key selection in each case will be included in the valid voting results. The above-mentioned automatic switch-off function ensures an energy-saving mode of operation.

#### Technical Data

**Number of buttons:** 11

**Carrier frequency:** 434MHz

**Power supply:** 3 batteries 1.5V size AAA

**Operating capacity with 1 set of batteries:** approx. 2000 votings

**Battery level check:** LED

**Temperature range:** 10°...40°C

**ChipCard standard:** ISO7816

**Dimensions:**

without ChipCard 72x183x35mm;

with ChipCard 72x218x35mm

**Colour:** charcoal grey RAL 7016

**Weight (including batteries):** approx. 300g

#### Accessories

**PCK-200** ChipCard programmer

**KLG-200** ChipCard reader

**GGP-02** Alphanumeric large display

**TR20/1A** DIGIVOTE®2000 Transponder

**MN2400** 1 Set of three batteries 1.5V size AAA

**Windows PC with Windows® 95 or 98**