

## HCS-4391N Wireless Transceiver



### Features

- TCP/IP communication protocol in PC control
- Wireless two-way transmitting and receiving facility
- RF transceiving range: 100 m (frequency optional)
- Maximum system capacity: 3 Wireless Transceivers (2 for master transceivers and one for backup transceiver) and 1200 wireless voting units

The Wireless Transceiver features wireless voting by connecting voting units wirelessly. 1200 wireless voting units can be connected when using 2 Wireless Transceivers.

Effective transceiver range: 100 m.

### Functions

- Full digital design, compliant to IEC 60914
- Maximum capacity of each Wireless Transceiver: 600 wireless voting units
- Maximum system capacity: 3 Wireless Transceivers (2 for master transceivers and one for backup transceiver) and 1200 wireless voting units
- Wireless two-way transmitting and receiving facility
- RF transceiving range: 100 m (frequency optional)
- Voting system resistivity to static: 8 kV, conforms to IEC CISPR 24
- Multifunction voting in combination with the corresponding software modules:
  - ◆ For/Against
  - ◆ Parliamentary: YES/NO/ABSTAIN
  - ◆ Multi-choice: 1~N
  - ◆ Audience response: 0/25/50/75/100
  - ◆ Score: 0~100
  - ◆ Appraisal:
    - satisfied (Four keys voting: perfectly satisfied/satisfied/basically satisfied/unsatisfied) (Three keys voting: satisfied/basically satisfied/unsatisfied) (Two keys voting: satisfied/unsatisfied)
    - Qualified (four/three/two keys voting)
    - Competent (four/three/two keys voting)

- Adopting TCP/IP network protocol to communicate with PC, voting system can implement remote control, remote diagnosis and remote update
- Built-in dual-port network switch and multiple Wireless Transceivers can be concatenated

### Controls and Indicators

- Graphic LCD with back-lighting, displaying system configuration menu of Wireless Transceiver
- Four buttons for configuration
- Four wireless reception indicators (red)
- Four communication indicators (red)
- Four power switches with indicators (green)

### Interconnections

- Two RS-232 ports for connection to central control system and system diagnosis each
- Two RJ45 ports for connection to PC or the next Wireless Transceiver
- Power supply adapter interface

### Technical Specifications

#### Electrical

Power supply.....DC 9 V to 24 V  
 Max. power consumption.....4 W  
 Wireless radiated power.....9 dBm±1.5 dBm  
 Wireless reception sensitivity.....-99 dBm±2 dBm  
 RS-232 connection.....2 x nine-pole Sub-D female socket

#### Mechanical

Dimensions (h x w x d).....33 × 200 × 200 mm  
 Adjustable length of antenna.....150 ~ 450 mm  
 Weight.....1.1 kg  
 Color.....White (PANTONE 420C)

### Ordering Information

HCS-4391N.....Wireless RF Transceiver

System Connection

