

## 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: 2 Wireless Transceivers 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: 2 Wireless Transceivers 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)
- Multiple proposal (maximum 10) voting function

- 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 RS232 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
RS232 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

### Ordering Information

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

