IP DOOR STATION  N-8650DS

1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.

CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Use the dedicated AC adapter or its equivalent for the unit. Note that the use of other adapter may cause a fire.

2. GENERAL DESCRIPTION

Designed to connect to the IP network, the N-8650DS is an indoor use door station featuring high quality hands-free conversation. It is equipped with 1 contact input and 5 contact outputs, allowing connections to a sensor, electronic lock, and other external equipment. The N-8650DS can be mounted either flush in a wall or on a wall by using the designated mounting box.

3. WALL MOUNTING

3.1. In-Wall Mounting

Mount the panel mount frame to the YC-150 Back box or 3-gang electrical box installed in a wall, then attach the N-8650DS to the panel mount frame.

Step 1. Loosen the screw on the N-8650DS's bottom, then detach the panel mount frame.

Step 2. Mount the panel mount frame to the YC-150 or electrical box.

Step 3. Attach the N-8650DS to the panel mount frame. Hook the tabs on the N-8650DS's upper side into the panel mount frame's slots, fit them into place, then secure the both bottom sides with a screw.

3.2. On-Wall Mounting

Attach the N-8650DS to the YS-13A Wall-mount box installed on a wall.

Step 1. Loosen the screw on the N-8650DS's bottom, then detach the panel mount frame.

(Refer to Step 1 in the previous section.)

Step 2. Mount the panel mount frame to the back box.

Step 3. Attach the N-8650DS to the panel mount frame. Hook the tabs on the N-8650DS's upper side into the panel mount frame's slots, fit them into place, then secure the both bottom sides with a screw.

(Refer to Step 2 in the previous section.)

Accessory screws

The N-8650DS comes with 2 types of screws: machine screw M4 x 20 and UNC No.6-32 x 20. Use the M4 x 20 screw.

Step 3. Attach the N-8650DS to the panel mount frame. Hook the tabs on the N-8650DS's upper side into the panel mount frame's slots, fit them into place, then secure the both bottom sides with a screw.

(Refer to Step 2 in the previous section.)

[YS-13A dimensional drawing]

The N-8650DS comes with 2 types of screws: machine screw M4 x 20 and UNC No.6-32 x 20.

For the electrical box provided with unified threads, use the oval head combination screws UNC No.6-32 x 20.
4. WIRING

**Network connection**
Can be connected to a network of 10BASE-T/100BASE-TX in auto-sensing.
Use a UTP category 5 or more straight through cable with an RJ-45 connector for this connection.

**AC adapter connection**
Connect the AC adapter*. Use the AD-1210P/1215P (optional) or equivalent.
As for the usable adapter, consult your TOA dealer.

**Power supply connection (① or ②)**
The following 2 methods are available for supplying power to the station.
- From a DC 12 V AC adapter
- From an IEEE802.3af compliant PoE switching hub
(For connection, refer to the instruction manual supplied with the switching hub.)

3. **Connection to an external equipment**

- Contact output 1 (brown)
- Contact output 2 (red)
- Contact output 3 (orange)
- Contact output 4 (yellow)
- Contact output COM (purple)
- Contact output (blue)
- Contact input HOT (gray)
- Contact input COM (white)
- Speaker cable (black)
- Speaker cable (black)
- Contact output (blue)
- Contact output (blue)

- To an indicator or other external equipment
- [Specifications]
  - Open collector output
  - Withstand voltage: 30 V DC
  - Max. control current: 50 mA
- To an electronic lock or other external equipment*
- [Specifications]
  - Relay contact output
  - Withstand voltage: 30 V DC
  - Max. control current: 500 mA
- To a switch, sensor, or other external equipment
  - [Specifications]
  - No-voltage closed contact input.
  - Open voltage: 5 V DC
  - Short-circuit current: 10 mA or less
- To external speakers
  - (8 Ω, 0.6 W or more)

4. **SPECIFICATIONS**

- **No-voltage closed contact input.**
  - Open voltage: 5 V DC
  - Short-circuit current: 10 mA or less
- To external speakers
  - (8 Ω, 0.6 W or more)

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5. ACCESSORIES

- UNC No.6-32 x 20 ........................................................... 4
- Machine screw M4 x 20 ................................................... 4
- LAN coupler ................................................................. 1

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Warning
This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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