

INSTALL ATION MANUAL

DOOR STATION N-8052DS

1 GENERAL DESCRIPTION

Designed to connect to the IP Intercom Exchange, the N-8052DS is a door station featuring high quality hands-free conversation and has a contact output (momentarily closed)

Using with an electrical box, the station can be mounted to

The N-8052DS features robust indoor design. The operating temperature range is -10 to +50°C.

As possided with quard pats inside to cover over the openings of microphone and speaker, the N-8052DS can be installed free from care in public space.

2 WALL MOUNTING

Mounting to a 2-gang Switch Box (with cover)

boses mounted in the wall.



- . The wall should be over 12 mm thick, and the creation in the wall for an electrical box should be under 115 mm
- . When using for electronic door lock control, fix the Nto prevent it from being easily removed.
- . Be sure to ground the electrical box

Accessory screws

The N-8052DS comes with 2 types of screes: oval head combination screw M4 x 25 and oval head combination screen UNC No.6 x 18. For the electrical how remained with unified threads, use the oval head combination acrews UNC

3. INSTALLATION PRECAUTIONS

- When installing the N-8052D5 Seal the panel edges outdoors or at locations where it gets wet with water, tightly seal the panel edges. Besides, provide a weep hole at the underside of the mounting box
- When installing the N-8052DS under difficult environmental conditions locations, cover the inside of the Nmethod, consult TOA sales office.



4 WIDING

4.1. Connection to the Exchange

Connect the Eartherine in the station's I NE terminals via the E-70007B Terminal Board as Hustrated



4.2 Connection to an External Balay



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4.3. Type of Cable

The types of cables are to be determined according to the following conditions.

- Twisted pair wires (such as those used for electronic push-button telephone) are to be used for wiring between the Exchange and the stations in minimize
- The number of cables pairs laid should be determined considering the possibility of future expansion of the system.
- Cuidoor wires should be used where wiring passes through inaccessible areas such as cellings or under floors where the maintenance is not performed. Indoor wires may also be used, however, in case where there is no risk of deterioration due to exposure to heat, etc.

Note

Specifications related to each junction are as follows.

Mini-clamp connector (N	-8000EX/8010EX line terminal)
Conductor diameter:	e0.4 - 0.65 mm (AWG22 - 26),
	solid wire

Clip terminal (E-7000TB)

Conductor	dameter:	00.4-0.8	mm (AWG20	- 25
		solid wire			

Terminal station (LINE, H. C terminals)

Conductor diameter: e0.4 - 1.3 mm (AWG16 - 25), solid wire, stranded wire

4.4. Relations Between Core Diameter of Cable and Maximum Cable Length

Referring to the following chart as guidelines, design the distance between the Exchange and stations so that loop resistance becomes 170 Ω or less.

Conductor diameter	Loop resistance	Maximum cable length between the Exchange and station.
(mm) a0.4	(13'km) 295	(Assuming that the loop resistance is 170 (1) 570 m
e0.5	187	900 m
00.65	113	1.5 km
00.9	58	2.9 km

4.5. Terminal Station Connection

Step 1. Strip a cable jacket of approx 7 mm to expose inner cable.

For cables, refer to Type of Cable.



Note

Do not solder plate on exposed inner cables when using a stranded wire.

- Step 2. Loosen the terminal screws and insert the cables.
- Step 3. Tighten the terminal acrews securely

Notes

- Tug lightly on the cable to be sure that it does not pull free. If the cable pulls free, loosen the terminal scree again and reconnect from Step 2.
- To avoid stripping the screws, use the screwshive appropriate to the screws tightened into the terminal plus.



4.6. Mini-clamp Connector Connection

Connect the mini-clamp connector supplied with the N-8000EX8010EX to a cable using a commercially available tool (pliers).

Step 1. Cut off two-cable ends in equal length, and insert them securely to a cover section (transparent side) of the mini-clamp convector.

> Note Insert the cable without stripping the cable lacket.



Step 2. With a pair of pilers, lightly pinch the mini-clamp cover and, after ensuring that the cable is securely inserted, firmly squeeze on the cover.



Sphe

Squeeze on the mini-clamp cover until it is correctly locked.

Step 1. Insert the wired connector (plug) into the eschange's connector (socket) until it locks into place.



