N-8033MS Y

MASTER STATION



The N-8033MS is a flush- or surface-mount master station designed to operate in conjunction with TOA IP Intercom Exchange and features high quality hands-free conversation. Connecting a foot switch or other external switch to the external dial input terminal permits one-touch dialing operation by way of such switches.

Key features

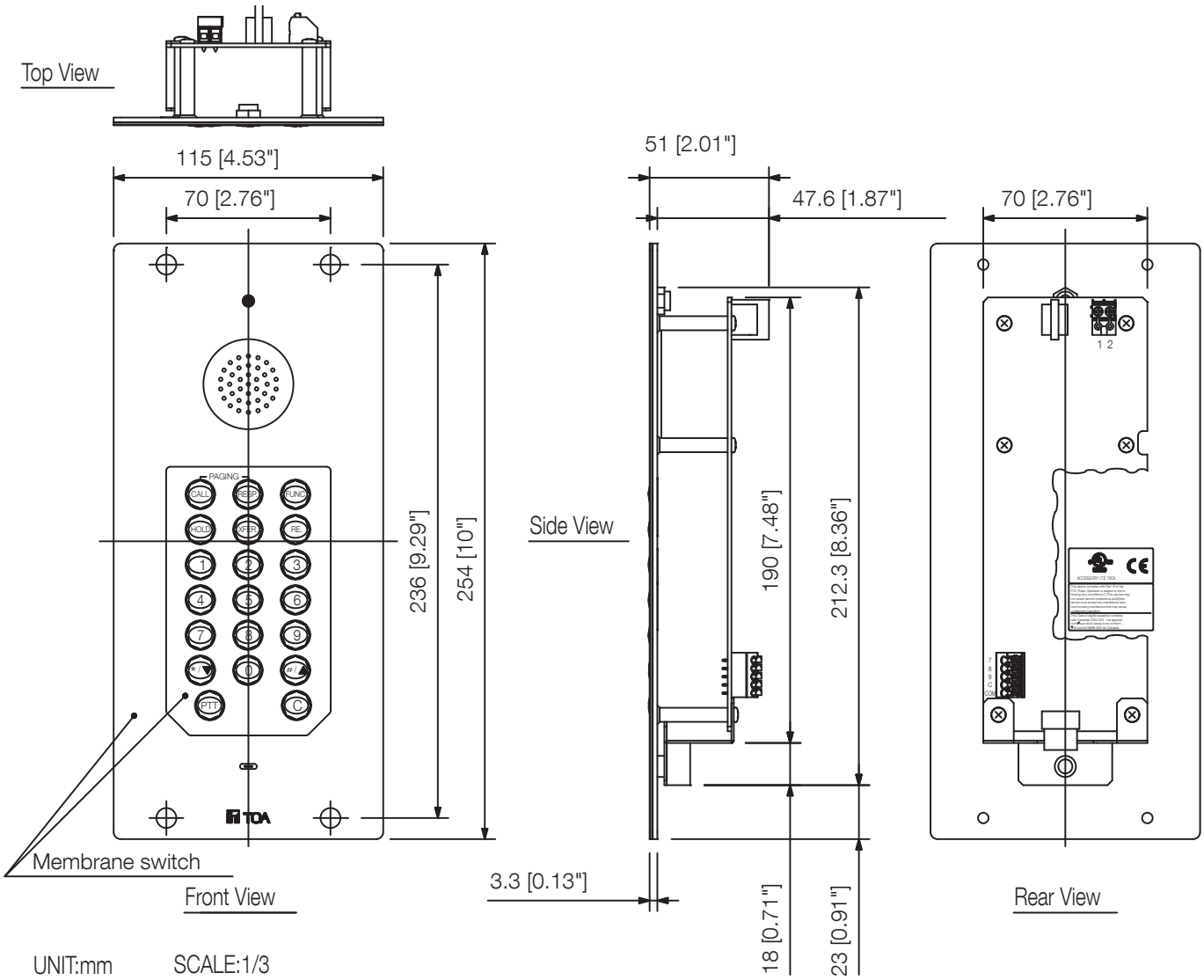
- Hands-free conversation
- Contact Input
- High sound quality
- Chemical resistant (clean room)
- Status LED

Specifications

* 0 dB = 1 V

Power Source	48 V DC (supplied from the IP intercom exchange)
Power Consumption	1.8 W (at rated), 2.4 W (max.)
Wiring Method	1 set of twisted pair cable
Transmission System	2 wire 160 kbps echo canceller transmission system
Signal Level	0 dB* or less
Speech Method	Hands-free conversation
Audio Frequency Range	300 Hz - 7 kHz
Transmission Range	Max. 1500 m (1640.42 yd) (#0.65 mm (AWG22), Loop resistance 170 Ω)
Hands-free	Speaker: 5.7 cm cone-type, 0.6 W, 8 Ω Microphone: Omni-directional electret condenser microphone
External Dial Input	No-voltage make contact input, open voltage: 5 V DC, short-circuit current: 1 mA, screwless connector (5 pins)
Indicator	Status lamp
Line Connecting Terminal	Pin header (2 pins)
Installation Method	Flush-mount/Surface-mount
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	90 %RH or less (no condensation)
Dust/Water Protection	IP65 (Note that panel edges must be sealed at installation.)
Resistance to Environment	Passed our chemical-resistant test
Finish	Membrane switch (Front pasting) : Polyester film
Dimensions	115 (W) x 254 (H) x 51 (D) mm (4.53" x 10.0" x 2.15")
Weight	850 g (1.87 lb)
Included Accessories	Box mounting screw (M4 x 35) …4, Acoustic absorbent …1, Removable terminal plug (2 pins, preinstalled on the unit) …1
Optional Accessories	Back Box: YC-841

Dimensions



Published on 2026/06/06

A&E specifications

The flush mount master station is designed for use with TOA's packet intercom system (IP network compatible intercom system) that employs the packet audio technology.
The master station is a 2-wire system and shall be capable of automatic duplex hands free operation without the use of handsets and shall employ echo cancellation. The master station shall have 4 control inputs to facilitate automatic call selection allowing the user to make calls via a contact such as a footswitch.
The master station shall also perform the following features: Voice calling, Automatic connection, Continuous call, One-touch dialing, Call hold, Automatic call forwarding, Emergency paging, Scan monitoring, Three-party conference and many more.
The unit shall have an IP65 ingress protection and shall be resistant to chemicals. The master station shall be capable of being flush mounted or surface mounted using an optional back box.
Dimension shall be 115 (W) × 254 (H) × 51 (D) mm (4.53” x 10” x 2.01”) weighing 850 g (1.87 lb.) and finished with a replaceable polyester film front membrane.

Optional extras: YC-841 back box manufactured by TOA Corporation.