



SWT-110, SWT-610 Footswitch

Description

The SWT-110 footswitch contains a SPDT form C switch. Wire connections can be made to this switch through an adjustable strain relief. The SWT-110 can be used as a push-to-talk (PTT) switch with the IMS-440, MAI-420, MAI-425, MAI-625, TMM-440, TMM-441 or TMM-640.

The SWT-610 footswitch contains electronic circuitry that converts the SPDT form C switch output to a digital signal that provides PTT operation for the IMS-640 master station. An eight foot cable is supplied with the unit to connect to the IMS-640.

Features

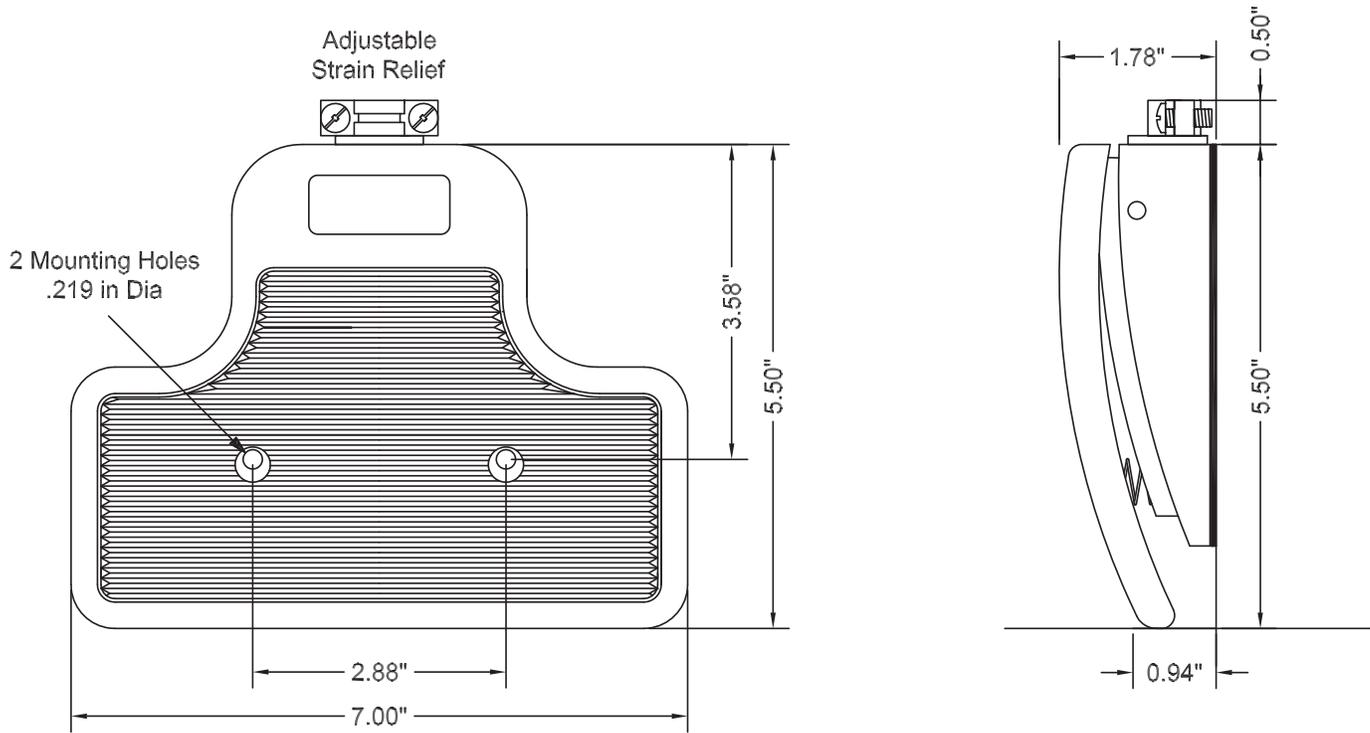
- constructed of cast iron for long life
- non-skid base pad
- durable black finish
- 2 holes provided for rigid mounting to floor or equipment
- wide treadle offers a large seven inch target for the operators foot
- with the SWT-610 an eight foot cord is provided for connection to IMS-640 master station



Specifications

Physical Form Factor	1.78"H x 7.00"W x 5.50"D (45mm x 178mm x 140mm)
Weight	3.25 lb (1.47 kg)

Mechanical



Ordering Information

For IMS-440, MAI-420, MAI-425, MAI-625, TMM-440, TMM-441, TMM-640

Part number SWT-110

For IMS-640

Part Number SWT-610

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Represented by:

Touchscreen Master Module

Description

The TMM-440 Touchscreen Master Module is a small desktop unit for use with a touchscreen terminal. It consists of a push-to-talk (PTT) switch, a speaker (c/w volume adjustment), and an electret microphone (c/w sensitivity adjustment). The TMM-440 is available with either a flush mounted microphone or with the microphone mounted on either a 12-inch gooseneck or a 12-inch gooseneck with a 6-inch extension.

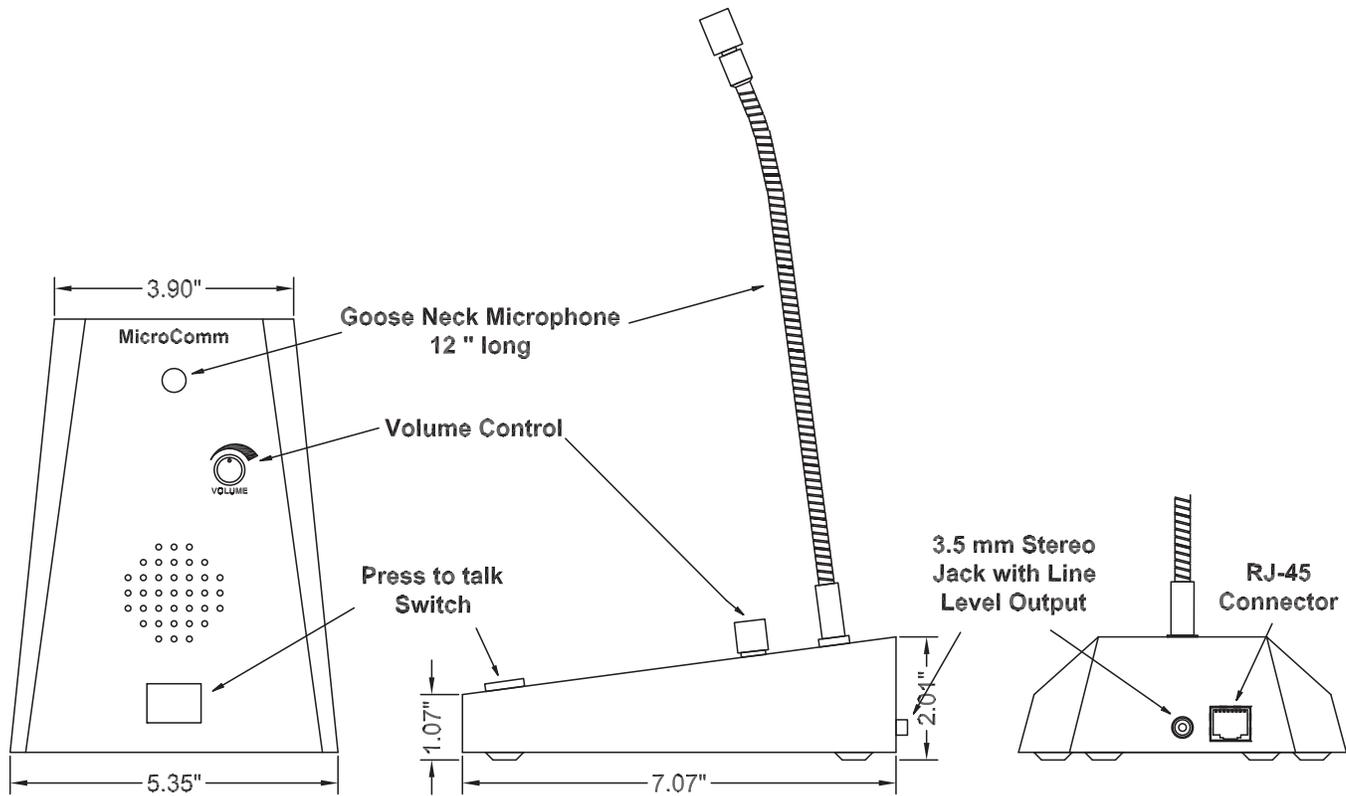
The TMM-440 is a self contained unit that is compatible with the MicroComm DXI's 400/401 series station ports, DXI 300 series master ports and the IMS master ports of a DXL MCC. It also provides contacts for an external PTT switch as well as stereo line level output jack for driving an external amplified speaker..

Features

- desktop module with attractive brushed stainless steel top
- field wiring connections made to a RJ-45 connector
- flexible gooseneck microphone or flush microphone
- rotary volume control
- a high sensitivity omni directional microphone
- contacts available for external PTT switch
- 3.5 mm stereo line level output jack for connections to external amplifier/speaker

**Specifications**

Physical	2.01" H x 5.35" W x 7.07" D (51 x 136 x 180 mm) 12" (305mm) gooseneck microphone
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Field Connections	female RJ-45 connector
Power	powered from MicroComm DXI 400/401 series station port, DXI 300 series master port, or a DXL IMS master port of an MCC
Cabling	2-22 ga shielded twisted pair 2500 ft (750 m) maximum length
Switch	1 million operations
Speaker	2.5" (64 mm) mylar cone
Speaker level	82 dB SPL at 1 m at 1 watt
Audio Output	0.5 V rms < 10K output impedance



Ordering Information

Part Number TMM-440-ABC-D

- A volume control options
 - 1 rotary
- B microphone options
 - 1 gooseneck microphone
 - 2 flush microphone
 - 3 gooseneck microphone with 6 inch extension
- C headset connection
 - 2 none
- D microphone compression
 - 1 standard



Represented by:

TMM-441 Touchscreen Master Module

Description

The TMM-441 Touchscreen Master Module is a small desktop unit for use with a touchscreen terminal. The unit consists of a speaker (c/w volume adjustment), an electret microphone, a push-to-talk (PTT) switch, and an LED power on indicator and a front panel 2.5mm headset jack.

The TMM-441 also provides contacts for an external PTT (foot) switch as well as a privacy handset, and includes a 3.5 mm stereo output jack to provide line-level signaling for external amplified speakers.

A microphone insert device can be connected via a 3.5 mm input/output jack. The third party external insert device is connected in series with the microphone audio line and can be a feedback suppressor for overhead paging speakers or an equalizer.

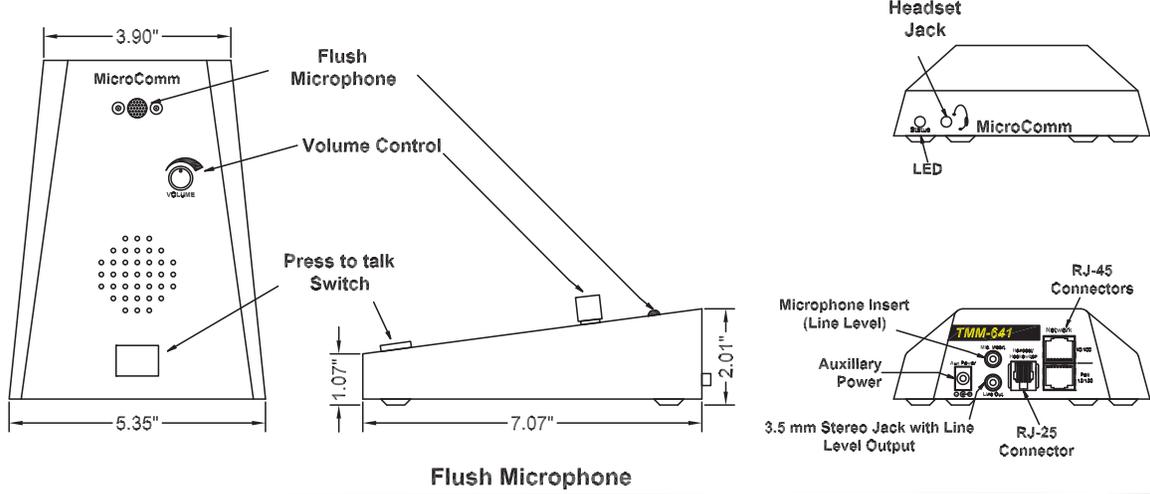
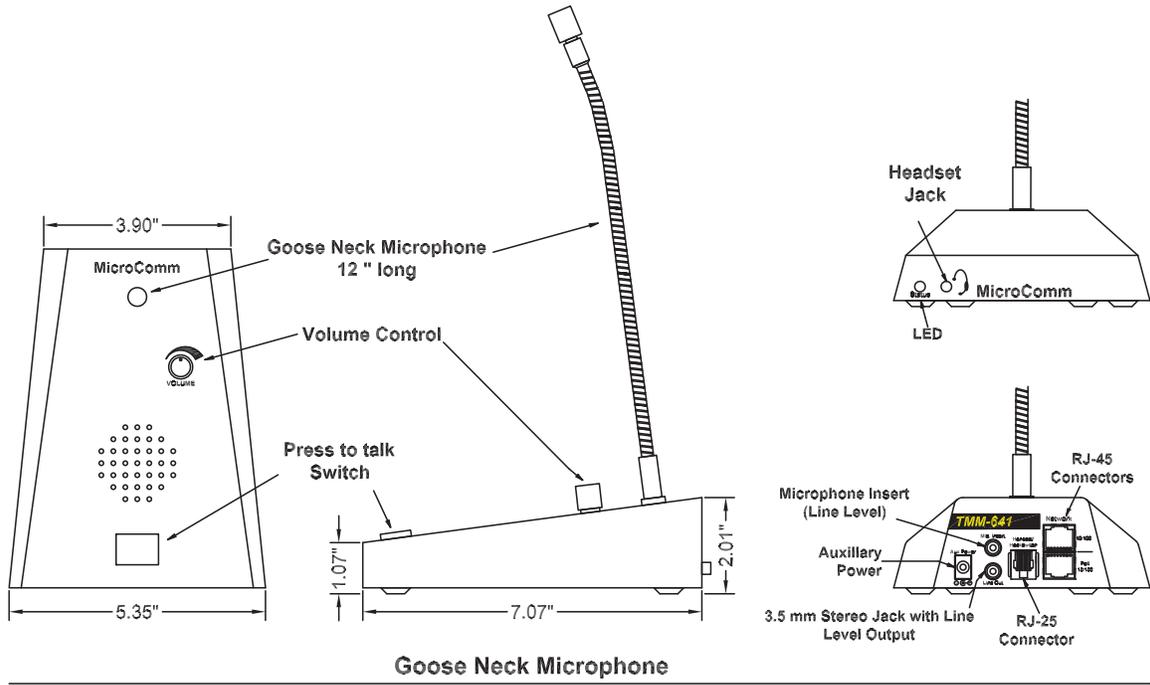
Features

- small desktop module with an attractive brushed stainless steel top
- high sensitivity omni directional microphone available on a 12" or 18" flexible gooseneck or flush mounted
- noise free rotary volume control
- top surface PTT switch with contacts for an external switch (e.g. PTT footswitch)
- support for an external privacy handset
- supports external PTT (footswitch)
- 3.5 mm stereo line level output jack for connecting an external amplifier or powered speaker
- front panel 2.5 mm headset jack
- built in Automatic Gain Control (AGC)
- 3.5 mm line level input/output jack for connecting a third party external feedback suppressor or equalizer



Specifications

Physical	2.01" H x 5.35" W x 7.07" D (51 x 136 x 180 mm)
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Field Connections	DB-9 connector RJ-25 (for connection to privacy handset with PTT) 3.5 mm line-level output jack 2.5 mm headset jack 3.5 mm microphone insert (line level)
Power	powered from MicroComm DXL IMS master port of an MCC DXI 400/401 series station port, or DXI 300 series master port
Cabling	2-22 ga shielded twisted pair 2500 Ft (750 m) maximum length
Speaker	2.5" (64 mm) mylar cone
Speaker level	82 dB SPL max. @ 1 meter
Line-Level Output	1 V rms < 10K output impedance



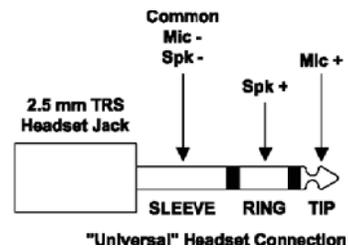
Ordering Information

Part Number TMM-441-ABC-D

- A volume control options
 - 1 rotary (standard)
- B microphone options
 - 1 gooseneck microphone
 - 2 flush microphone
 - 3 gooseneck microphone with 6 inch extension
- C headset connection
 - 1 "Universal" headset connection
- D microphone compression
 - 1 standard

Accessories

HHK-136 handset/hookswitch kit



Represented by:

Description

The VBE-420 Visiting Booth Station is a handset with a hanger attached to a stainless steel faceplate that mounts on a 2-gang electrical box. A switch contact closes when the handset is removed from the cradle. These units are ruggedly constructed and include an armored handset cable with strain reliefs on each end. An optional volume control steps through 4 preset volume levels.

Features

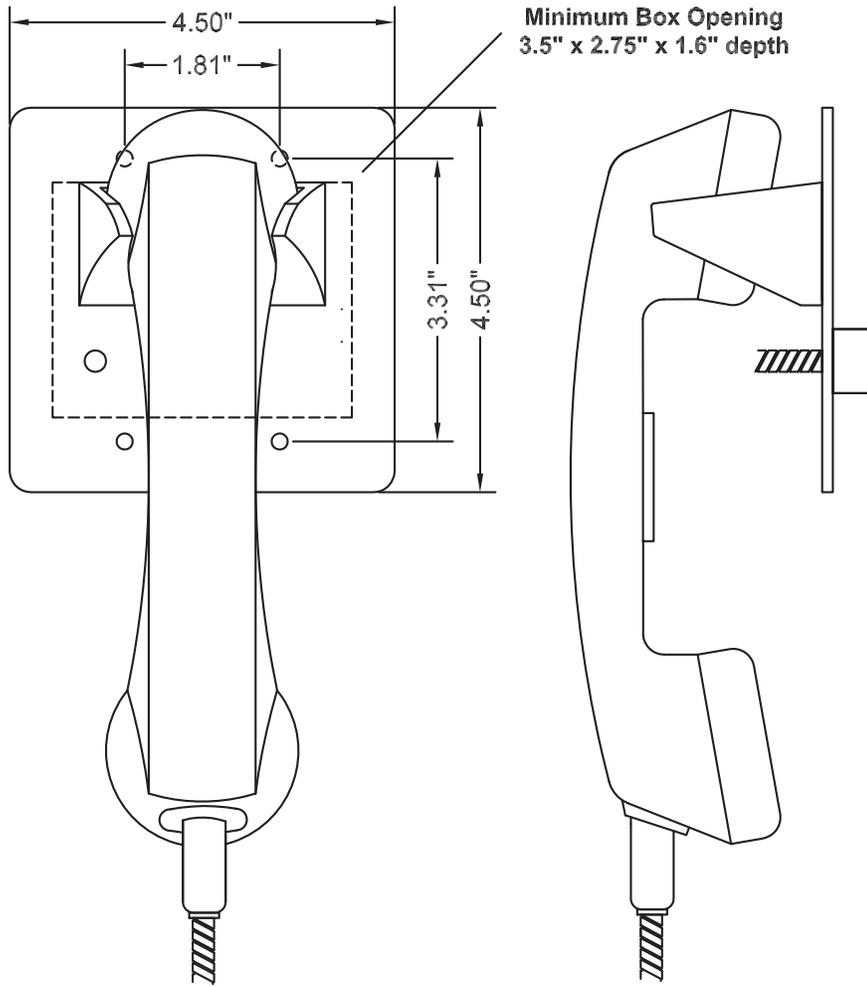
- full duplex audio channel
- optional volume control switch
- wire leads brought out in 6 inch pigtails
- 11 ga heavy-duty brushed stainless steel faceplate
- armored handset cable
- rugged cable strain reliefs
- rugged metal handset cradle
- impact resistant handset
- designed for mounting on standard 2 gang electrical boxes
- compatibility with all standard #6-32 mounting hardware allowing any type of security screw to be used



Specifications

Physical	4.5" H x 4.5" W x 1.6" D (114 x 114 x 41 mm)
Faceplate	
Heavy-duty	11 ga brushed stainless steel
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Hookswitch Contacts	0.25 A switching (non-inductive) 1.00 A carry

Mechanical



Ordering Information

Part number VBE-420-AB

- A handset cable length
 - 2 20 in armored
 - 3 32 in armored
 - 4 48 in armored
 - 6 72 in armored (special order)
- B volume control
 - 0 no volume control
 - 1 volume control

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Represented by:

Description

The VBS-420 Visiting Booth Stations are used to provide stand alone visitation intercom functions between a primary handset and one or two secondary handsets. The VBS-420 provides station enable/disable, a monitoring output, and an audio input. These units are ruggedly constructed and include an armored handset cable with strain reliefs on each end.

The VBS-420 may be ordered with an optional volume control. The volume switch steps through 4 preset volume levels, and allows the volume to be increased for the hard of hearing. The primary station must have the volume control option to connect to secondary stations with a volume switch.

The VBS-420 primary and secondary can be supplied with two optional on/off hook form C relay contacts.

Visiting booth stations are externally powered by a 12 or 24 Vdc power supply.

Features

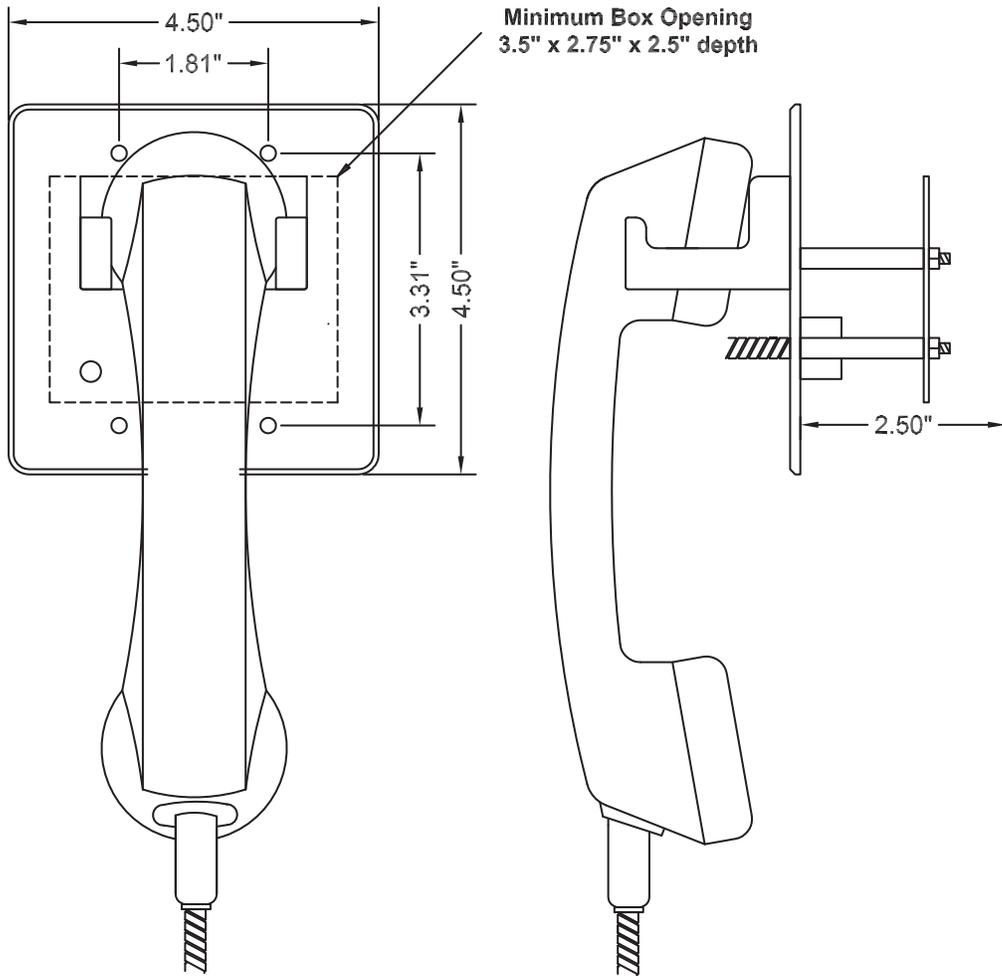
- full duplex audio channel
- hearing aid compatible
- external enable/disable control
- monitoring output and audio input ports
- optional volume control for primary as well as secondary stations
- heavy-duty brushed stainless steel faceplate
- armored handset cable
- rugged cable strain reliefs
- rugged metal handset cradle
- impact resistant handset
- depluggable MTA100 series connectors eliminate wire stripping during servicing and installation
- designed for mounting on standard 2 gang electrical boxes
- compatibility with all standard #6-32 mounting hardware allowing any type of security screw to be used



Specifications

Physical	4.5" H x 4.5" W x 1.6" D (114 x 114 x 41 mm)
Faceplate	
Heavy-duty	11 ga brushed stainless steel
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Power Supply	12-24 Vdc ± 10%, 50 mA max
Hookswitch Contacts	0.25 A switching (non-inductive) 1.00 A carry
Field Connections	4 pin or 6 pin MTA100 connectors
Cabling	22 ga shielded twisted pair

Mechanical



Ordering Information

Part number VBS-420-ABC-D

- | | | | |
|---|---|---|-------------------|
| A | faceplate options | D | volume control |
| 2 | 2 gang heavy duty | 0 | no volume control |
| B | primary/secondary option | 1 | volume control |
| 1 | primary station | | |
| 2 | secondary station | | |
| 3 | primary station with 2 form C on/off hook switch contacts | | |
| 4 | secondary station with 2 form C on/off hook switch contacts | | |
| 5 | stand alone primary station with 1 form C and 1 form A on/off hook switch contacts, and line level audio in/out | | |
| C | handset cable length | | |
| 2 | 20 in armored | | |
| 3 | 32 in armored | | |
| 4 | 48 in armored | | |
| 6 | 72 in (special order)armored | | |

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Represented by:



MicroComm



MicroComm Accessories

Operator Headsets

HEA-120 Lightweight over-the-head single earpiece design for comfortable extended wear use. Quick disconnect feature allows you to walk away from a master station while still wearing headset. Noise-canceling microphone improves voice clarity.

Handset/Hook Switch Assembly

HHK-132 Chrome colored handset cradle with normally open magnetic reed relay hookswitch. Black handset with press-to-talk bar and coiled cord, hangs vertically. Handset/hookswitch kit for MAI-420 and MAI-425

HHK-136 Chrome colored handset cradle with normally closed magnetic reed relay hookswitch. Black handset with press-to-talk bar and coiled cord, hangs vertically. Handset/hookswitch kit for TMM-441 and TMM-640

Speaker and Microphone Assembly

SMK-120 45 ohm speaker and electret microphone mounted on two gang 11 gauge brushed stainless steel faceplate

SMK-130 45 ohm speaker and electret microphone baffle plate for panel mounting.

Connectors

CON0141 screw terminal connector for TAB-310, PAB-401 and TAB-400

CON0399 DB-25 receptical for IMS-440, MAI-420 and MAI-425

CON0401 DB-25 hood screwlock for IMS-440, MAI-420 and MAI-425

CON0300 Four (4) conductor MTA-100 connector

CON0301 Strain relief for four conductor MTA connector

CON0513 Six (6) conductor MTA-100 connector

CON0514 Strain relief for six conductor MTA connector

CON0283 Eight (8) conductor MTA-100-08 connector

CON0285 Strain relief for four conductor MTA connector

MTA connectors are used to terminate intercom station wiring and to connect to various other MicroComm system components.

MTA-100 type receptacles for use with 22 AWG wire with insulation range up to 0.06" when terminating single conductors and 0.05" when mass terminating.

Tools

CPG-100 Pistol grip crimper tool for MTA-100 connectors. Requires crimper head.

CPH-100 Crimper head tool for MTA-100 connectors. Requires pistol grip.

Foot Switches

SWT-110 Rugged foot operated press to talk switch for use with intercom master stations.

Pushbutton Call Cord

BUT-107 Pushbutton style call cord with 1/4" phone jack.. Molded plastic body, 7' cable, removable pillow clip.

BUT-207 Double pushbutton style call cord with 1/4" phone jack. Molded plastic body, 7' cables, removable pillow clips.

Loudspeaker Assemblies

SPK-280 8" loudspeaker, 10 ounce ceramic magnet, dual cone, 25/70 volt 10 watt multi-tap transformer.

SPK-285 8" loudspeaker, 5 ounce ceramic magnet, single cone, 25/70 volt 5 watt multi-tap transformer.

BFL-110 12 7/8" diameter steel baffle, polar white finish, flush mounting.

BFL-210 11.5" square steel baffle, polar white finish, flush mounting.

BFL-250 12 7/8" square tamper proof steel baffle, polar white finish, flush mounting.

BFL-251 11.5" square tamper proof steel baffle, polar white finish, flush mounting.

BOX-110 Round recessed enclosure.

BOX-210 Square recessed enclosure.

VPS-110 Square, surface mount vandal proof speaker system, 8" speaker, 14 gauge steel baffle plate, 0.06" back box, white

VPS-210 Square tapered, surface mount vandal proof speaker system, 8" speaker, 14 gauge steel baffle plate, 0.06" back box, white

HRN-115 16 watt paging horn, weatherproof, 110° dispersion. Integral multi-position screwdriver adjustable power tap transformer, 25 or 70 volt operation. 8 1/4" x 9 3/8" deep. Pivoted mounting flange.

HRN-130 30 watt paging horn, weatherproof, 120° wide x 60° high dispersion. Integral multi-position screwdriver adjustable power tap transformer, 25 or 70 volt operation. 14" wide x 6" high x 12.75" deep. Pivoted mounting flange.

Volume Controls

VOL-110 10 watt, single gang stainless steel faceplate. Stepped auto-transformer operation, 10 positions plus 'off', 3 dB attenuation per step.

VOL-135 35 watt, double gang stainless steel faceplate. Stepped auto-transformer operation, 10 positions plus 'off', 3 dB attenuation per step.

VOL-210 Similar to VOL-110 with the addition of priority override relay. 24 Vdc, 5 ma, SPDT control.

VOL-235 Similar to VOL-135 with the addition of priority override relay. 24 Vdc, 5 ma, SPDT control.

Amplifiers

AMP-035 35 watt, rack mount, 8 ohm 25 volt and 70 volt outputs, two microphone inputs, one auxiliary input, input level controls, master volume control.

AMP-060 60 watt, rack mount, 8 ohm 25 volt and 70 volt outputs, two microphone inputs, one auxiliary input, input level controls, master volume control.

AMP-100 100 watt, rack mount, 8 ohm 25 volt and 70 volt outputs, two microphone inputs, one auxiliary input, input level controls, master volume control.



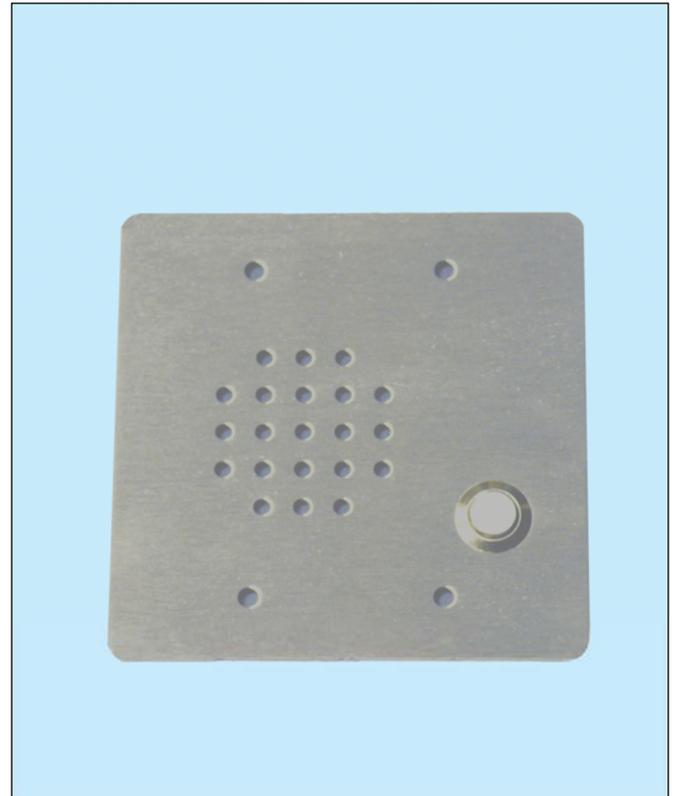
Description

The ICS-420-000-119 exterior intercom stations are manufactured and tested to operate in extreme cold conditions (-51 °C).

The ICS-420-000-119 is used with a DXL SCC-400 station control card and mounts in a standard two-gang electrical box. It is suitable for use in high security areas and is designed for superb audio clarity in reverberant acoustic environments. The ICS-420-000-119 incorporates an integral loudspeaker/microphone, and circuitry for transmission of all station audio, power, and switch closures over a single shielded pair cable for reduced installation costs.

Features

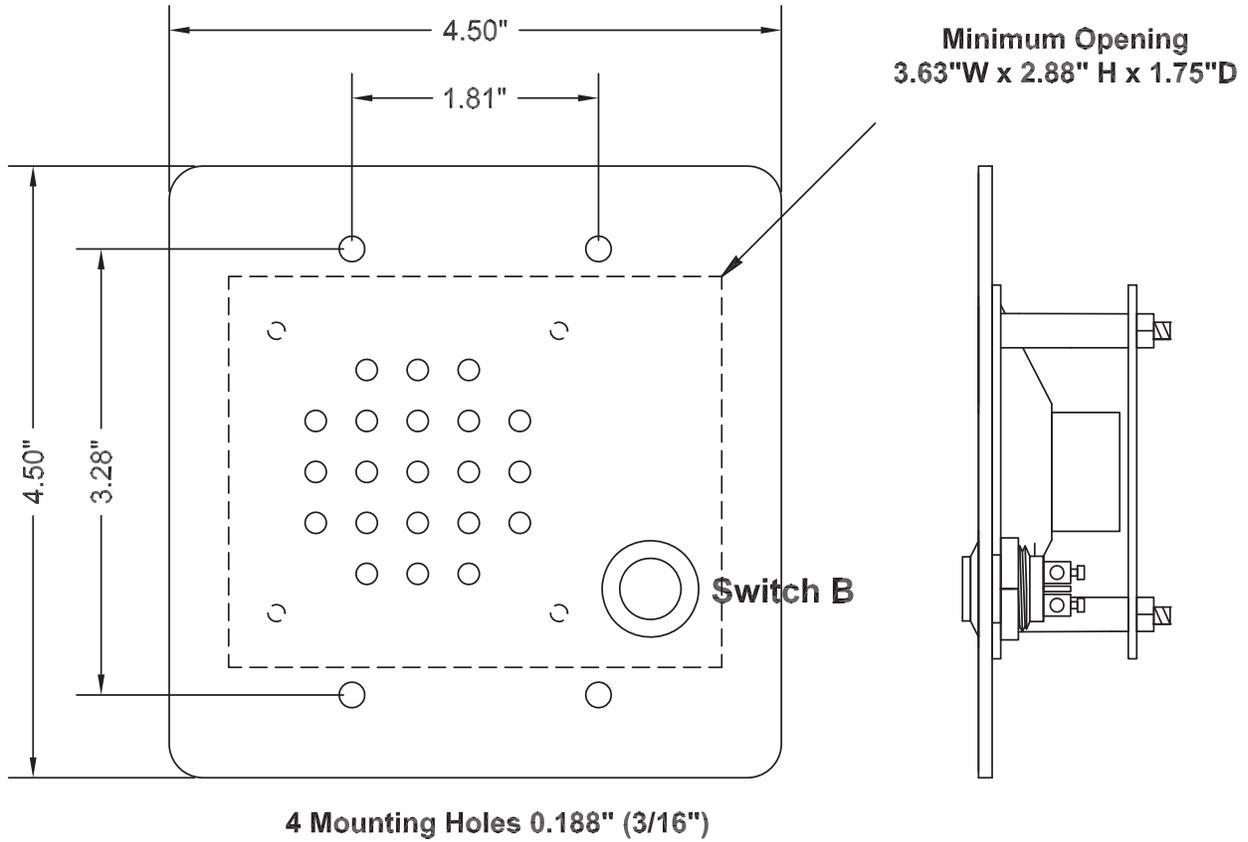
- internal termination circuitry for line fault supervision to detect open and short circuit wiring faults
- half duplex audio channel to the intercom exchange
- internal preamplifier for superior audio sensitivity
- switch is programmable for call request, program selection, or other functions
- steel offset grille baffle plate protects the speaker from physical damage
- conformal coating protects all electronic components from moisture
- stainless steel hardware and baffle plate
- 2.5" mylar cone speaker
- single shielded twisted pair 22 ga cabling for audio, and switch closures
- no connection to shield drain wire at the intercom station
- 4 terminal depluggable MTA100 series connector eliminates wire stripping during servicing and installation
- mounts on standard 2 gang electrical box
- compatible with all standard #6-32 mounting hardware allowing any type of security screw to be used



Specifications

Physical	4.5" H x 4.5" W x 1.75" D (114 x 114 x 45 mm)
Faceplate Heavy-duty	11 ga brushed stainless steel
Environmental Operating Temperature Humidity	-51 °C to 50 °C 0 to 95 % non-condensing
Field Connections Cabling	4 pin MTA100 connector 22 ga shielded twisted pair 2500 ft (750 m) maximum length
Switch Lifetime	1 million operations
Speaker	2.5" (64 mm) mylar cone
Speaker Level	82 dB SPL at 1 m at 1 W
Microphone Level	10 mV at 74 dB SPL

Mechanical



Ordering Information

Part number ICS-420-000-119



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