



MicroComm DXL

PTA-620

VoIP Paging/Talkback Amplifier

Description

The PTA-620 is a half-duplex Voice over Internet Protocol (VoIP) device that provides paging support (with talkback) and an Audio Level Alarm (ALA) feature for DXL intercom systems. The talkback feature allows a two-way conversation to be carried out over the loudspeakers, and the ALA feature provides continuous monitoring of the ambient room noise with alarm reporting (when abnormal sound levels are detected).

All models include line level input, line level output, two status inputs (for signaling call requests or alarm conditions) and a DPDT relay for controlling external paging amplifiers or providing a direction control signal for an external system.

Four versions of the PTA are available:

- PTA-620-31 Provides 1 watt of power at 25 Vrms
- PTA-620-35 Provides 5 watt of power at 25 Vrms
- PTA-620-75 Provides 5 watt of power at 70 Vrms
- PTA-620-85 Provides 5 watt of power into an 8-ohm speaker

Features

- paging with talkback allows for 2-way conversations.
- built in Audio Level Alarm (ALA) feature.
- 10/100 BaseT Ethernet on an RJ-45 connector.
- wall or DIN rail mounted
- powered by an external 24 Vdc power supply or PoE
- includes a control relay for keying an external amplifier or signaling call direction to an external system



Specifications

Physical

PTA-620-31	4.12" x 6.0" x 1.04" (105 x 152 x 26 mm)
PTA-620-A5	4.12" x 6.7" x 1.21" (105 x 170 x 31 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

Power Supply

Auxiliary	20 Vdc - 36 Vdc, 0.6 Amps or
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PoE

PTA-620-31	IEEE 802.3af class 1 compliant
PTA-620-A5	IEEE 802.3af class 0 compliant

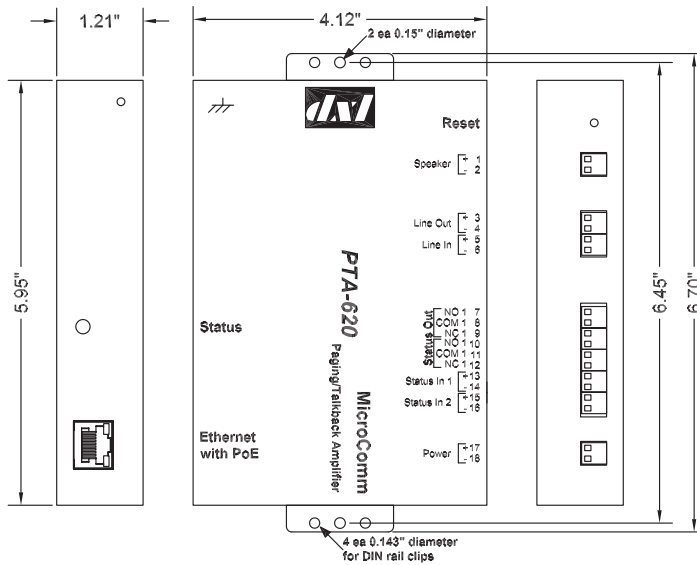
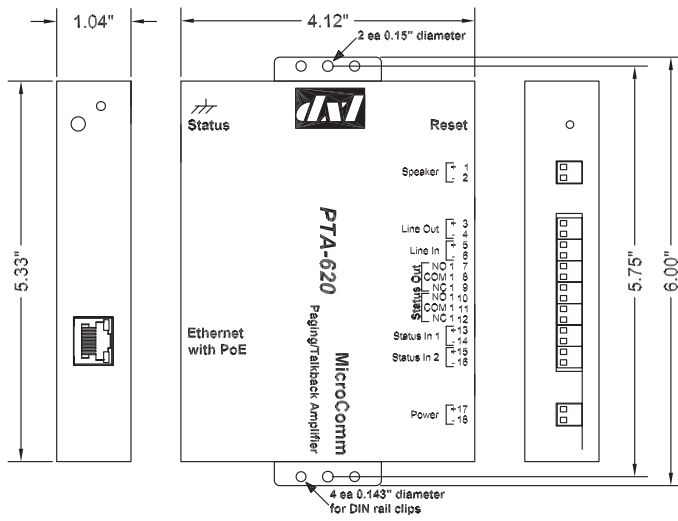
Field Connections

Ethernet	RJ-45 jack
Auxiliary Power	Terminal Block
Speaker	Terminal Block
Line Out	Terminal Block
Status Output	Terminal Block
	DPDT Relay, 1A@30Vdc
Status In 1	Terminal Block
Status In 2	Terminal Block

Cabling

4-pair Cat5/Cat5e/Cat6
328 ft (100 m) max length

Mechanical



Ordering Information

Part Number PTA-620-AB

- AB series number
- 31 25 Vrms output/1 watt
 - 35 25 Vrms output/5 watt
 - 75 70 Vrms output/5 watt
 - 85 5 watt output into an 8 ohm loudspeaker

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