

# TECHNICAL SPECIFICATIONS

# **ELECTRICAL**

| Rated power, watts (24 VDC, 1.8A external power supply)      | 30                                 |
|--|------------------------------------|
| Rated power, watts (POE+, IEEE802.3 af, class 3)             | 20                                 |
| Driver impedance, ohms                                       | 8                                  |
| Effective frequency range, Hz                                | 260 ~ 16,000                       |
| S.P.L. @ 1m, 1 watt, dB, test signal bandwidth 100Hz ~ 10kHz | 108                                |
| S.P.L. @ 1m, full power, test signal bandwidth 100Hz ~ 10kHz | 122                                |
| Dispersion at 1k/2kHz, degrees                               | 105/49 horizontal, 142/68 vertical |

# **ENVIRONMENTAL**

| IP rating           | 66                           |
|---------------------|------------------------------|
| Ambient temperature | 25°C ~ 70°C (77 °F ~ 158 °F) |
| Relative humidity   | ≤ 95 %                       |

# **MECHANICAL**

| Dimension, W x H x D mm   | 258 x 180 x 280   |
|---------------------------|---|
| Net weight, kgs (lbs)     | 2.53 (5.6)  |
| Colour (unless specified) | RAL 7035  |
|                           | Low smoke zero halogen UL-94VO plastic with UV inhibitors |
| Mounting                  | Stainless steel U bracket, and hardware                   |

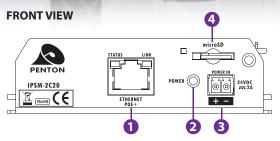
# **FEATURES**

- Support PoE+ and PoE power
- Standard RJ45 interface, PCB control and Class-D amp board (2 x 20w)
- Cost effective and simple installation with single cable deployment
- Easily configured, controlled, managed, and monitored via web browser
- Full DSP includes Ducker, AGC, PEQ, Hi/Low Pass, Compressor, Limiter, etc.
- IP based for music streaming, routing, paging and control over LAN/WAN
- VoIP call via SIP protocol
- Supports audio codecs G.711u, G.711a, G.722, PCM16K and MP3
- 3 control inputs, 1 contact output
- Internal storage (200mb) plus microSD card of up to 512GB available for message or music storage
- Integrated scheduler for triggering of messages, music and alerts.

# WEATHERPROOF NETWORK HORN SPEAKERS (POE)

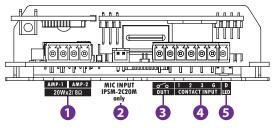
# > APH30-IP

IP HORN SPEAKER



- 1 Ethernet port with PoE+ (25W) power
- 2 Power LED indicator
- 3 Optional external power input (24 ~ 27 VDC), PSU65-27 (65W) and PTR-2415 (36W) recommend
- 4 Micro SD Card interface

### **REAR VIEW**



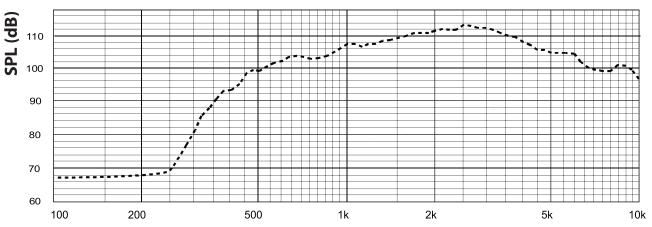
- 1 20W x 2 Channels amp output (8 ohm load speaker) or bridged 40W x 1 Channel amp output (4 ohm load speaker)
- 2 Optional mic input with model APH30-IPM. Recommended optional microphone capsule model YMC0101-005
- 3 1 relay contact output can be programmed to control an external device
- 3 programmable contact inputs are controlled by external remotes such as source selector and volume control
- 5 LED interface (3.3V@10 mA): for safety and emergency alerting

# 3 x 7mm mounting holes

## **DISPERSION ANGLES**

|                  |        | HORIZONTAL | VERTICAL |
|------------------|--------|------------|----------|
| 1 OCT.PINK NOISE | 500 Hz | 203°       | 360°     |
| 1 OCT.PINK NOISE | 1K Hz  | 105°       | 142°     |
| 1 OCT.PINK NOISE | 2K Hz  | 49°        | 68°      |
| 1 OCT.PINK NOISE | 4K Hz  | 37°        | 40°      |

# FREQUENCY RESPONSE



Frequency (Hz)

**Y (Hz)** Sensitivity 100 Hz ~ 10000 Hz Oct. Pink noise 1W/1 Meter



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