

# WEATHERPROOF HORN LOUDSPEAKER

➤ PH10/T



## ARCHITECTS & ENGINEERS SPECIFICATION

The unit shall be the PENTON model PH10/T or equal and approved. The horn enclosure shall be constructed of high impact ABS with UV inhibitors and non-perishable gaskets to prevent the ingress of water or dust and be rated to a minimum of IP66. The unit will be mounted via a stainless steel "U" bracket and fixings. The speaker assembly shall comprise of a high-density phenolic resin diaphragm housed in a flared chamber, 200mm long x 138mm diameter.

A 10 watt/100 volt line, factory fitted transformer shall provide 3dB power taps, power selection via multi-core cable.

The loudspeaker shall have a controlled dispersion. The cones shall be high compliance units with a smooth extended frequency response.

<b>RATED POWER</b>	<b>10w</b>
<b>TAPPINGS 100v LINE</b>	<b>10/5/2.5/1.25w</b>
<b>EFFECTIVE FREQUENCY RANGE</b>	<b>400 - 8kHz</b>
<b>SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)</b>	<b>97dB</b>
<b>DISPERSION AT 1k/2kHz</b>	<b>180/110</b>
<b>AXIAL Q FACTOR AT 1k/2kHz</b>	<b>2.8/6.6</b>
<b>COLOUR</b>	<b>GREY RAL7035</b>

All units to be tested in accordance with BSEN60268-5



### Penton UK Ltd

Unit 2 Teville Industrials | Dominion Way | Worthing | West Sussex | BN14 8NW

T: +44 (0)1903 215315 | F: +44(0)1903 215415 | E: SALES@PENTONUK.CO.UK

[www.pentonuk.co.uk](http://www.pentonuk.co.uk)

ISSUE NOVEMBER 2011

# WEATHERPROOF HORN LOUDSPEAKER

➤ **PH10/TC**



## ARCHITECTS & ENGINEERS SPECIFICATION

The unit shall be the PENTON model PH10/TC or equal and approved. The horn enclosure shall be constructed of high impact ABS with UV inhibitors and non-perishable gaskets to prevent the ingress of water or dust and be rated to a minimum of IP66. The unit will be mounted via a stainless steel "U" bracket and fixings. The speaker assembly shall comprise of a high-density phenolic resin diaphragm housed in a flared chamber, 200mm long x 138mm diameter.

A 10 watt/100 volt line, factory fitted transformer shall provide 3dB power taps

Cable entry will be via a single gland located at the rear of the cabinet on a removable rear cover.

The loudspeaker shall have a controlled dispersion. The cones shall be high compliance units with a smooth extended frequency response.

The PH10/TC will be suitable for voice alarm applications and will be supplied with ceramic terminals to take 2 x 2.5mm<sup>2</sup> conductors and a thermal fuse rated at 150°. A 4-core fire rated cable tail should be added to ensure full compliance or the addition of a second cable entry to allow "loop in, loop out" termination.

This loudspeaker must be compliant to BS5839 part 8 & EN60849.

<b>RATED POWER</b>	<b>10w</b>
<b>TAPPINGS 100v LINE</b>	<b>10/5/2.5/1.25w</b>
<b>EFFECTIVE FREQUENCY RANGE</b>	<b>400 - 8kHz</b>
<b>SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)</b>	<b>97dB</b>
<b>DISPERSION AT 1k/2kHz</b>	<b>180/110</b>
<b>AXIAL Q FACTOR AT 1k/2kHz</b>	<b>2.8/6.6</b>
<b>COLOUR</b>	<b>GREY RAL7035</b>

All units to be tested in accordance with BSEN60268-5



### Penton UK Ltd

Unit 2 Teville Industrials | Dominion Way | Worthing | West Sussex | BN14 8NW

T: +44 (0)1903 215315 | F: +44(0)1903 215415 | E: SALES@PENTONUK.CO.UK

[www.pentonuk.co.uk](http://www.pentonuk.co.uk)

ISSUE NOVEMBER 2011