

WEATHERPROOF METAL HORN LOUDSPEAKER

➤ **MHS20/TC**



ARCHITECTS & ENGINEERS SPECIFICATION

The unit shall be the PENTON model MHS20/TC or equal and approved. The horn enclosure shall be constructed of a weather-resistant, LM4 aluminium die-cast housing incorporating a rear chamber. The unit will be mounted via a lockable, stainless steel "U" bracket and fixings. The loudspeaker diaphragm shall comprise of a high density phenolic resin type capable of withstanding water and dust ingress up to a minimum IP65 Norms housed in a flared chamber, 297mm long x 217mm diameter.

A 20 watt/100 volt line, factory fitted transformer shall provide 3dB power taps via a selector switch mounted in the rear chamber of the loudspeaker. Cable entry shall be via 2 x 16mm cable entries, 1 x cable gland and 1 x blanking plug will be mounted on a removable rear cover.

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

The MHS20/TC will be suitable for voice alarm applications and will be supplied with ceramic terminals to take 2 x 2.5mm² 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.

RATED POWER	20w
TAPPINGS 100v LINE	20/10/5/2.5/1.25w
EFFECTIVE FREQUENCY RANGE	300 - 16.5kHz
SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)	101dB
DISPERSION AT 1k/2kHz	100/98
AXIAL Q FACTOR AT 1k/2kHz	4.7/12.5
COLOUR	GREY RAL7035

All units to be tested in accordance with BSEN60268-5



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ISSUE NOVEMBER 2011