MOFLASH SIGNALLING

INSTALLATION INFORMATION

PLEASE READ PRIOR TO INSTALLATION



TDE Series
Pneumatically Driven Air Horn

ACOUSTIC SIGNALLING DEVICE

S00661 - ISSUE 1

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APPROVALS AND CONFORMITIES

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Health and Safety Notes

Before proceeding with the installation, it is essential for the user or installer to conduct a risk assessment concerning the installation and safety of the Horns during operation. The Air Horn can reach an audibility level of up to 138dB at a distance of 1 meter, necessitating careful consideration of the unit's placement to avoid proximity to individuals. It is advised to maintain a minimum separation distance of at least 5 meters (16.4ft) between the Air Horn and any people.

WARNING! Damage may be caused to a persons hearing if they are within close proximity to the Air Horn when activated and they are not equipped with the adequate protective equipment in the form of Ear Defenders.

IMPORTANT: DO NOT REMOVE OR CHANGE ANY COMPONENTS OF THE AIR HORN.

General Installation Notes

- Installation must be carried out in accordance with the latest codes and regulations by qualified personnel.
- Avoid mounting the Horn where it will be subjected to excessive vibration.
- Do not exceed the maximum stated BAR Air Pressure (**1.5-10 BAR for TDE360 & TDE450 / 2-10 BAR for TDE198**)
- The Air Horn should be mounted on a downward slope, typically between 1-2°. This helps keep the inner of the trumpet free from fluids and debris build up. Please ensure no obstacles block the front of the Horn
- Utilise the 2 x 8.5mm mounting 'lugs' located on the side of the diaphragm housing to mount the Horn

Moflash Signalling Limited is unable to provide guidance on system installations. However, the following considerations are essential for ensuring the product operates effectively:

- Adequate measures should be implemented to enable the immediate application of full & consistent air pressure to the product thus ensuring the correct frequency & dB output are produced when necessary.
- The system must facilitate sufficient air transfer speed and airflow through the piping to reach each air horn.
- It is important to take into account the air volume needed for the duration of the air horn signal, necessitating reserve air tanks with adequate capacity.
- A compressor must be capable of delivering the required air levels to fill the tanks and the system.
- As a general rule compressed air installations should meet ISO 8573-1 criteria.

Connection - 1/4" Push in fitting for Ø8x6mm air hose

Maintenance

- The Horns contain no parts that require maintenance. However, checks should be made to the air connections to the unit from time to time to ensure maximum air pressure is maintained.

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