

EN

Original Instructions

These instructions apply to the Klaxon FP range of motor-driven sirens covered by approval certificate number TRAC11ATEX21301X and intended for use as part of an audible warning system (note that these sirens are not intended as a substitute for an EN 54 approved fire alarm system):

Certification For Use In Potentially Explosive Atmosphere

FP6 SWG-0028	400V AC 50Hz 3 Phase 2.5KW (-20°C to +60°C)
FP10 SWG-0034	400V AC 50Hz 3 Phase 5.6kW (-20°C to +60°C)

These models are approved for use in potentially explosive atmospheres according to the following classification:



The equipment is certified for use with flammable gases and vapours with apparatus groups IIA, IIB and IIC and with temperature class TX in the ambient temperature range stated and should not be used outside this range. Refer to the separately supplied manual for the classification of the motor.

Installation shall be carried out by suitably-trained personnel in accordance with the applicable code of practice e.g. EN 60079-14:1997

Inspection and maintenance of this equipment shall be carried out by suitably-trained personnel in accordance with the applicable code of practice e.g. EN 60079-17.

In the event of a fault or breakdown contact Klaxon technical support. If required return to Texecom Ltd for repair or replacement of parts.

The enclosure has passed ingress protection tests to a minimum of IP55.

The certification of this equipment relies upon the following materials used in its construction: ALUMINIUM LM4 (SAND CAST) TO BS 1490.

If the equipment is likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions that prevent it from being adversely affected, thus ensuring that the type of protection provided by the equipment is not compromised.

Aggressive substances: e.g. acidic liquids or gases that may attack metals or solvents that may affect polymeric materials.

Suitable precautions: e.g. regular checks as part of routine inspections or establishing from the material's data sheets that it is resistant to specific chemicals.

General Design Standards

The standards to which the equipment has been designed are listed on the EC declaration of Conformity issued herewith.

Installation

WARNING: Failure to comply with these instructions may result in a breach of the Protection Concept.

Fix siren to a firm level base using all four mounting holes and securely fasten with M10 bolts. Mount at a minimum height of 3m above the ground and free of side or top obstructions.

For best all round sound propagation mount the unit at a height of 4.5 to 6m with 50m clear radius all round.

Refer to the separate motor manual for the motor classification and connection details. Ensure adequate fuse and overload/circuit-breaker protection is provided and the motor frame is connected to the supply earth.

It is the responsibility of the installer to select the correct equipment for the gas group involved.

Cable entry temperature may exceed 70°C. Select an appropriate cable.

Use only suitably certified cable entry glands.

This equipment should only be connected to the supply voltage marked on the rating plate.

Only lift using suitable lifting equipment (no manual lift) using all of the eye bolts. Ensure the eye bolts are removed following installation.

WARNING: The equipment should be protected from access by persons, animals or foreign bodies to avoid injury to persons or damage to equipment affecting safe use.

WARNING: This equipment contains rotating parts. Please ensure that the retaining straps on the rotor are left in place until the installation is complete and the equipment is ready to be tested for the first time.

WARNING: Keep well clear of the siren when it is running. Extremely high noise levels are produced. Unprotected exposure could lead to permanent hearing damage. Ensure appropriate hearing protection is used when working in close proximity to siren.

Maintenance

The maintenance regime for the siren must be strictly followed in accordance with the approved site plan, or, where no plan exists, at least annually. The siren must be tested following any maintenance.

The siren should be periodically tested for correct function. Typically this could be quarterly or every six months.

Motor bearings are sealed and rated for a life of 25,000 hours. No maintenance is required.

It is the responsibility of the user to ensure that no modification is made to the equipment or the installation that may affect the protection concept.

The end user shall ensure that all metallic parts of the equipment are suitably bonded to a common earth point.

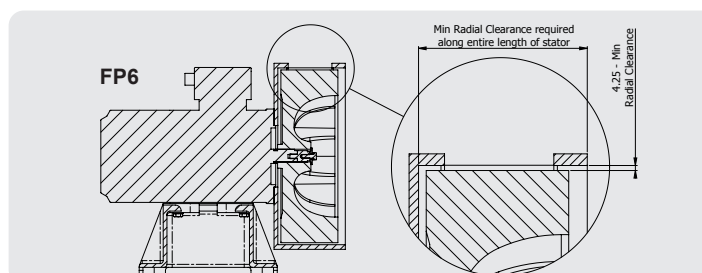
The siren must be inspected at least quarterly to prevent build-up of dust or debris and to ensure the following clearances are maintained: FP6= 4.25 mm / FP10= 5.23 mm

This equipment should only be connected to the supply voltage marked on the rating plate and protected by appropriate MCB/Overload devices. The motors are equipped with PTC thermal protection. The PTC should be connected to an appropriate tripping device located in the safe area.

To allow for safe maintenance either the lockable isolator must be used on the control panel or a separate isolator switch should be installed near the siren.

The European directive "Waste Electrical and Electronic Equipment" (WEEE) aims to minimise the impact of electrical and electronic equipment waste on the environment and human health. To conform with this directive, electrical equipment marked with this symbol must not be disposed of in European public disposal systems. European users of electrical equipment must now return end-of-life equipment for disposal. Further information can be found on the following website: <http://www.recyclethis.info/>.

Siren Model	Sound Output at 1m	Current Rating	Weight	Dimensions: Length, Width & Height
FP6	135 dB(A)	5A	66Kg	521 x 398 x 448mm
FP10	140 dB(A)	11A	143Kg	612 x 495 x 557mm



IMPORTANT : Remove corrosion to ensure that the minimum radial clearance is maintained.

