

## FP2C Siren

### CERTIFICATION, INSTALLATION AND MAINTENANCE

#### 1. Certification For Use In Potentially Explosive Atmospheres

These instructions apply to the following models covered by approval certificate number SIRA03ATEX1152:

18-980006            230V AC 50Hz, 2.3A, time rating – 20 minutes intermittent use  
18-980361            110V AC 50Hz, 3.7A, time rating – 20 minutes intermittent use

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

⊕ II 2 G                      EExd IIB T6

- a. The equipment is certified for use with flammable gases and vapours with apparatus groups IIA and IIB and with temperature class T6 in the ambient temperature range – 20°C to +40°C and should not be used outside this range.
- b. Installation shall be carried out by suitably-trained personnel in accordance with the applicable code of practice e.g. EN 60079-14:1997.
- c. 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.
- d. This equipment must be returned to Klaxon Signals Ltd for repair or replacement of parts.
- e. The enclosure has passed ingress protection test to a minimum of IP65.
- f. The certification of this equipment relies upon the following materials used in its construction: ALUMINIUM LM4M (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.

## 2. General Design Standards

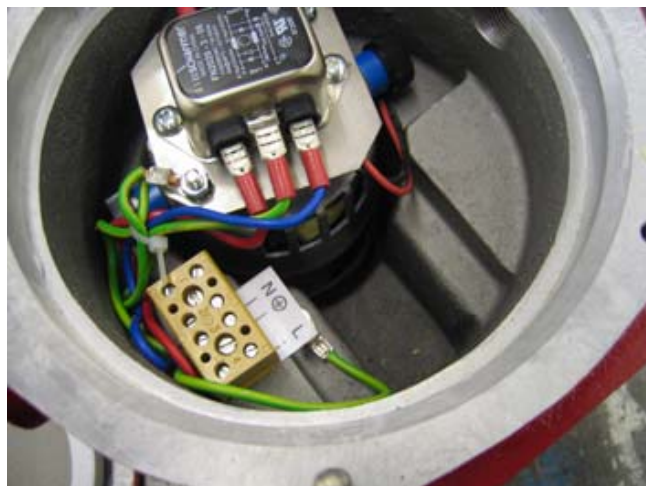
The standards to which the equipment has been designed are listed on the EC declaration of Conformity issued herewith

## 3. Installation

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

**Before opening the enclosure,** take note that the mechanical tolerances, finish and fit of the "spigot" type of joint between the case and the cover are crucial to the Protection Concept and these surfaces must not be damaged. Therefore, extreme caution must be exercised in removing the cover. Please use the supplied guide pins for removal as well as for replacement of the cover. Exchange three alternate (or two opposite) screws for guide pins before removing the remaining screws and removing the cover. The guide pins can be left in place while the electrical connections are made. Apply 5Nm tightening torque when replacing the screws.

- a. Electrical connection must be effected as shown in the connection diagram.
- b. It is the responsibility of the installer to select the correct equipment for the gas group involved.
- c. Cable entry temperature may exceed 70°C. Select an appropriate cable.
- d. Use only suitably certified cable entry glands.
- e. Comply with the instructions on the warning label on the equipment.
- f. This equipment should only be connected to the supply voltage marked on the rating plate.
- g. The motor in this siren is rated for intermittent use only. The siren incorporates a thermal cut-out device which will trip when the temperature of the motor exceeds a pre-determined level. The exact period of time before the trip activates depends on ambient temperature but will normally be 15 to 20 minutes. The trip automatically resets once the motor has cooled down sufficiently.



#### **4. Maintenance**

- a. The siren should be periodically tested for correct function.
- b. 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.

#### **5. Contacting Klaxon**

Klaxon Signals Ltd,  
Wrigley St,  
Oldham,  
England , OL4 1HW

Technical Helpline:	+44 (0) 161 287 4029
Sales Hotline:	+44 (0) 161 287 5555
Fax:	+44 (0) 161 287 5511
E-mail:	<a href="mailto:sales@klaxonsignals.com">sales@klaxonsignals.com</a>
Web:	<a href="http://www.klaxonsignals.com">www.klaxonsignals.com</a>

18-184186/5

18-184186/4

## EU Declaration of Conformity

**We**

*Klaxon Signals Ltd*

**of**

*Wrigley St., Oldham, OL4 1HW*

*Quality Assurance Notification No. SIRA 03 ATEX M253 from SIRA Certification Services, notified body no. 0518.*

**As the manufacturer of the items listed below:**

*FP2C Motorised Siren*

*EC-Type Examination Certificate Number: SIRA 03ATEX1152*

**Declare under our sole responsibility that the equipment to which this document relates is in conformity with the following standard(s) or other normative document(s):**

*EN 50014:1997 (Incl. A1-A2)*

*EN 50018:2000*

**And thereby conforms to the protection requirements of Council Directive 94/9/EC relating to protection of equipment for use in explosive atmospheres.**

**Date of issue**

*03 June 2003*

**Authorised person**

*Barry Coughlan  
Managing Director*

**Signature**



.....