

Type Approval Certificate Extension

This is to certify that Certificate No.95/70148(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

SELCO A/S

PLACE OF

P.O.Box 113, Betonvej 10

PRODUCTION

DK-4000 Roskilde

Denmark

DESCRIPTION

Analogue Alarm Annunciator

TYPE

M3000

24 input digital or analogue sensors 0-10VDC/4-20mA

14 outputs open collector for alarm dependent control

LCD text display

RS332 Serial Interface to e.g. a Personal Computer RS485 Serial Communication between multiple M3000

Units

Standard MODBUS-RTU protocol

APPLICATION

Front panel mounting in marine, offshore and industrial applications in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in LR

TA Test Specification No.1: 2002

ADDITIONAL TESTS

Low Temperature test: -20°C - 16 hrs

High Temperature test: 55°C - 16 hrs

70°C - 2 hrs

STANDARD

Manufacturer's Specification

OTHER CONDITIONS

Examination of software aspects is restricted to functional operation as

demonstrated in the performance test.

Installation of this equipment onboard LR Classed vessel shall be in accordance with Part 6, Chapter 1 of the Rules and Regulations for the

Classification of Ships.

Certificate No.

95/70148(E3)

Issue Date

18 November 2011

Expiry Date

02 November 2015

Sheet

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Copenhagen Design Support Office

Lloyd's Register EMEA Strandvejen 104A, DK-2900 Hellerup

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Additional requirements for use in essential services and in safety critical systems are given in Part 6, Chapter 1, section 2.11 of the Rules and Regulations for the Classification of Ships.

IP54, ingress protection from front side if mounted with gasket kit.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No TA95/70148(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No.95/70148(E2) to which this extension should be attached.

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