

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 PRODUCTION	P.O.Box 113, Betonvej 10 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
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Copenhagen Design Support Office

Lloyd's Register EMEA
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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.

Certificate No.	95/70148(E3)
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