

Type Approval Certificate Extension

This is to certify that Certificate No. 99/00089 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Control Equipment Ltd
PLACE OF PRODUCTION	Hillcrest Business Park Cinderbank Dudley West Midlands DY2 9AP England
DESCRIPTION	Precept Marine Fire Alarm Control Panels
TYPE	2/4 Zone, 8 Zone, 16 Zone and 32 Zone
APPLICATION	Marine and Offshore applications for use in environmental categories ENV1 and ENV2 as defined in LR Test Specification No. 1 1996 where the test specification is satisfactory for the intended operation

"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. 99/00089(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 99/00089 to which this extension should be attached.

Certificate No.	99/00089(E1)
Issue Date	14 July 2004
Expiry Date	31 May 2009
Sheet	1 of 1



TC Morrison
London Plan Approval
Lloyd's Register EMEA

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 14 July 2004	Quote this reference on all future communications LPA/DAPP/ECE/TA/W00545946/TCM/O-48972
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THE LR TYPE APPROVAL SYSTEM, 2002.
Issued to: Control Equipment Ltd
for: Percept Marine Fire Alarm Panels Type 2/4 zone. 8 zone, 16 zone & 32 zone
TYPE APPROVAL CERTIFICATE No. 99/00089(E1)

The undernoted documents have been reviewed for compliance with the requirements of the LR Type Approval System 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request for Quotation
Certificate of Quality System Registration

27 May 2004
18 February 2003

All other details remain as the previous Certificate No. 99/00089 to which this document should be attached.

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.

T. C. Morrison
Senior Surveyor
Electrical and Control Engineering
London Plan Approval
Lloyd's Register EMEA

**Part 3
Fire and Gas Detection Alarm and Control Systems (Part 3)**

Producer/Licence No.	Item Description	Technical Details	Category/ Additional Tests	Remarks	Cert. No.
Control Equipment Ltd, Hillcrest Business Park, Cinderbank, Dudley, West Midlands, DY2 9AP, United Kingdom (UK).	Fire Alarm Control Panels Precept 2 Marine	<p>2 zone control panel Max. power supply output 1.5A Mains failed current - alarm 175mA (plus alarm load) Mains failed current - standby 65mA Integral charger output 500mA Auxiliary 24V supply 250mA Alarm circuit output 2 at 500mA Battery size 2 x 12V 3.2AH sealed lead acid Weight (excluding batteries) 5kg</p>	ENV1 ENV2 (1996) BS5839: 1988 inc. amds 1 and 2	Expires: 31 May 2009 For Marine and Offshore use the control panels shall only be used with compatible LR Type Approved Zone Devices.	99/00089(EI)
	Precept 4 Marine	<p>4 zone control panel Max. power supply output 1.5A Mains failed current - alarm 190mA (plus alarm load) Mains failed current - standby 80mA Integral charger output 500mA Auxiliary 24V supply 250mA Alarm circuit output 2 at 500mA Battery size 2 x 12V 3.2AH sealed lead acid Weight (excluding batteries) 5kg</p>			
	Precept 8 Marine	<p>8 zone control panel Max. power supply output 3.1A Mains failed current - alarm 270mA (plus alarm load) Mains failed current - standby 150mA Integral charger output 1A Auxiliary 24V supply 500mA Alarm circuit output 2 at 800mA each Battery size 2 x 12V 6.2AH sealed lead acid Weight (excluding batteries) 8kg</p>			

**Part 3
Fire and Gas Detection Alarm and Control Systems (Part 3)**

Producer/Licence No.	Item Description	Technical Details	Category/Additional Tests	Remarks	Cert. No.
	Precept 16	<p>16 zone control panel Max. power supply output 4A Mains failed current - alarm 355mA (plus alarm load) Mains failed current - standby 230mA Integral charger output 1A</p> <p>Auxiliary 24V supply 800mA Alarm circuit output 2 at 1A each</p> <p>Battery size 2 x 12V 6.2AH sealed lead acid</p> <p>Weight (excluding batteries) 11kg</p>			
	Precept 32	<p>32 zone control panel Max. power supply output 8.0A (2 transformers) Mains failed current - alarm 710mA (plus alarm load) Mains failed current - standby 460mA Integral charger output 2 at 1A each</p> <p>Auxiliary 24V supply 2 at 800mA each Alarm circuit output 4 at 1A each</p> <p>Battery size 4 x 12V 6.2AH sealed lead acid</p> <p>Weight (excluding batteries) 22kg</p>			