



Lloyd's Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Beijer Electronics Products AB Box 426 Stora Varvsgatan 13a SE-201 24 Malmö Sweden
PLACE OF PRODUCTION	Beijer Electronics Products AB 4F, No.501 -15, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan 23148
DESCRIPTION	Touch Screen Human Machine Interface (HMI)
TYPE	X2 control 4-B2 X2 control 7-B2 X2 control 10-B2 X2 control 12-B2 X2 control 15-B2 X2 pro 4-B2 X2 pro 7-B2 X2 pro 7-B2 Key X2 pro 10-B2 X2 pro 10-B2 Key X2 pro 12-B2 X2 pro 15-B2

Certificate No.	17/60002
Issue Date	2 February 2017
Expiry Date	1 February 2022
Sheet	1 of 3




2 Feb 2017
Andrew Munden / Matthew Partyka



Americas Technical Support
Lloyd's Register Canada, Ltd.

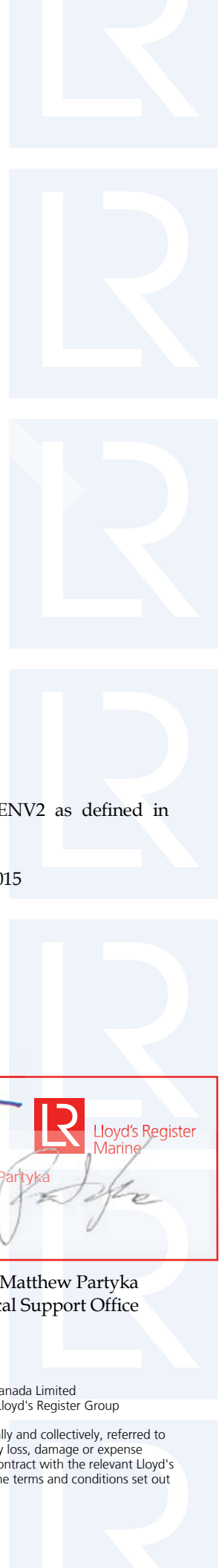
LR031.2.2008

Andrew Munden / Matthew Partyka
Toronto Technical Support Office

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5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada*

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TYPE (continued)

X2 motion 4-B2
X2 motion 7-B2
X2 motion 10-B2
X2 motion 12-B2
X2 motion 15-B2

X2 marine 7-B2
X2 marine 7-B2 HB
X2 marine 7-B2 SC
X2 marine 7-B2 HB SC
X2 marine 15-B2
X2 marine 15-B2 HB
X2 marine 15-B2 SC
X2 marine 15-B2 HB SC

Additional HW options:
-ciX CAN module

HB = High Brightness Model
SC = SoftControl Model
Key = Keyboard Model

APPLICATION

For use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Test Specification No. 1, July 2015.

STANDARD

Lloyd's Register Test Specification Number 1, July 2015
IEC/EN 60945:2002 (Clauses 9 and 10)
IEC 60529 (Edition 2.2:1989 + A1:1999 + A2:2013)

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RATINGS

Power Supply Voltage: Nominal: 24VDC

Ingress Protection: Front Panel Seal: IP65

Compass Safe Distances:	Standard compass	Steering compass
X2 control 7 -B2 SC	85cm	45cm
X2 control 15-B2 SC	70cm	45cm
X2 pro 4 - B2	35cm	20cm
X2 pro 7 - B2 Key	90cm	35cm
X2 pro 10 - B2	75cm	40cm
X2 pro 10 - B2 Key	95cm	85cm
X2 pro 12 - B2	40cm	30cm
X2 marine 7 - B2 HB	45cm	25cm
X2 marine 7 -B2 SC	80cm	35cm
X2 marine 15 - B2 HB SC	60cm	45cm

For types not measured worst case minimum compass safe distance (95cm/85cm) is to be observed.

OTHER CONDITIONS

Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.

Radiated and conducted emissions meet the requirement for equipment on the bridge and deck zone.

"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 Canada Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 17/60002 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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