



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 Inc. 1865 West 2100 South Salt Lake City Utah 84119 USA
PLACE OF PRODUCTION	Beijer Electronics Inc. 1865 West 2100 South Salt Lake City Utah 84119 USA
DESCRIPTION	7" Touchscreen Operator Panel
TYPE	T7BM, T7BR
APPLICATION	For use in environmental categories ENV1, ENV2, ENV3, ENV4 and ENV5 as defined in Lloyd's Register Test Specification No. 1, 2013
STANDARD	Lloyd's Register Test Specification Number 1, 2013 IEC/EN 60945: 2002 IEC 605229: 2003
RATINGS	Power Supply Voltage: Nominal 24 VDC Interfaces: Ethernet : 1 × 10/100Base-T, 1 × 10/100/1000Base-T
Certificate No.	15/60009
Issue Date	26 May 2015
Expiry Date	25 May 2020
Sheet	1 of 2

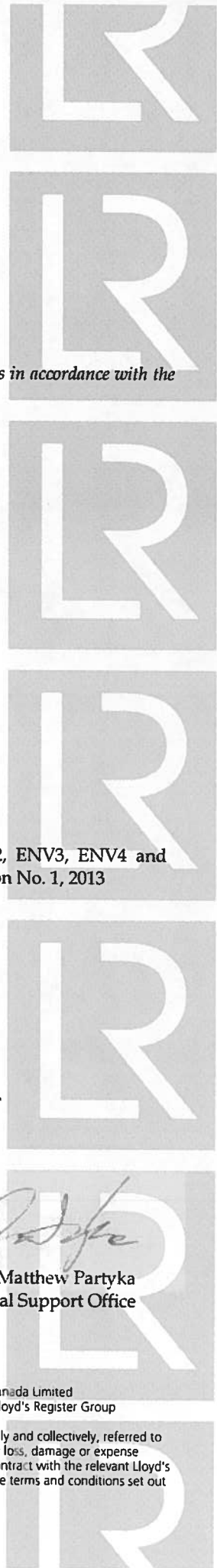


Matthew Partyka
Toronto Technical Support Office

*Lloyd's Register Canada Limited
5420 North Service Road, Suite 506, Burlington, Ontario, L7L 6C7, Canada*

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Serial : 1 × RS232, 1 × RS422/485 (isolated)
USB : 3 × USB 2.0
CiX CAN module (optional) : 2 × galvanically isolated ports

Ingress Protection:
Front Panel Seal: IP66

Firmware:
15S-6

Operating System:
Windows Embedded CE 6.0, Windows Embedded Standard 7

Software:
iX HMI Software Build 17

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. 15/60009 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	15/60009
Issue Date	26 May 2015
Expiry Date	25 May 2020
Sheet	2 of 2

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Page 1 of 2
Document number 15/60009
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 26 May 2015	Please quote the document number on all future communications.
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002

Issued to: BEIJER ELECTRONICS INC

For: 7" TOUCHSCREEN OPERATOR PANEL

Types: T7BM, T7BR

TYPE APPROVAL CERTIFICATE No. 15/60009

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

APPROVAL DOCUMENTATION

Application for Type Approval

Inspection and Surveillance of Production Facilities Report SEA1500304

D02-723, T7BR Final Assembly, Rev 01

D02-723, Master Parts List MPL2019, Rev 01

D02-726, T7BR Front Frame Assembly, Rev 01

D02-905, T7BR UL Terminal Dimensions, Rev 01

N07-902, Glacier, Rev 07

N07-981, Assembly, rev 07

N07-981, AVL Boom

N08-210, AVL Boom

N08-210, PCB T7BR front Card

N08-210, Glacier T7BR Front Card

N08-403, AVL Bom

N08-403, PCB, T7Bx RGB LED

N08-403, T7Bx RGB LED

iX T7BR Datasheet- DRAFT

T7BR Installation Manual - Draft

Beijer Electronics, Inc. C/C++ coding standard

Beijer Electronics Inc. Firmware/Software Test Plan Template and Checklist

Build 17 - Release Report

P2087, rev 01, Global Software Image Release Process

P1920, rev 02, Software Image Release Process

P1011, rev 08, Product Development Process

Quality Manual, rev 17

14 January 2015
2 March 2015
5 November 2014
5 November 2014
24 July 2014
5 November 2014
2 November 2012
22 September 2014
-
-
22 July 2014
6 November 2013
-

8 May 2014
8 May 2014
-
-
-
-
23 January 2015
9 December 2014
14 July 2014
26 February 2015
25 February 2015

TEST REPORTS

273359-4.2

273359-2.2

12267-1S

20 November 2014
17 November 2014
9 January 2015



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

Matthew Partyka
Surveyor, Toronto Technical Support Office
Lloyd's Register Canada Limited

