



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	15.4" Touchscreen Operator Panel
TYPE	T15BM, T15BR
APPLICATION	T15BM: For use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Test Specification No. 1, 2013 T15BR: 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
Certificate No.	14/60019
Issue Date	22 August 2014
Expiry Date	21 August 2019
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*

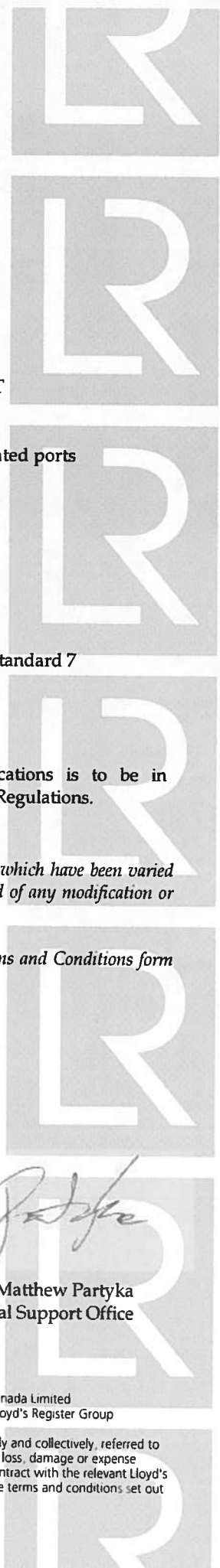
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RATINGS

Power Supply Voltage:
Nominal 24 VDC

Interfaces:

Ethernet : 1 × 10/100Base-T, 1 × 10/100/1000Base-T

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-5

Operating System:

Windows Embedded CE 6.0, Windows Embedded Standard 7

Software:

iX HMI Software Build 13

OTHER CONDITIONS

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

"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. 14/60019 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 14/60019
Issue Date 22 August 2014
Expiry Date 21 August 2019
Sheet 2 of 2

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Document number 14/60019
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 22 August 2014	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: 15.4" TOUCHSCREEN OPERATOR PANEL
Types: T15BM, T15BR
TYPE APPROVAL CERTIFICATE No. 14/60019**

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	02 April 2014
Inspection and Surveillance of Production Facilities Report SEA1400330	19 May 2014
Software Image Release Process P1920 Revision #02	14 July 2014
Beijer Electronics Inc. C/C++ coding standard	-
T15BR_WEC_iX_ReleaseReport_Build13	19 May 2014
Sales Brochure iX T15BR	-
D02-712 REV 4, T1BR Final Assembly	13 May 2013
N07-902 MEAN831C, iX Developer Reference Manual	September 2010
N07-902 rev 5 Block diagram, Schematics, PCB Fabrication Notes	14 March 2014
N07-903 rev 6 Block diagram, Schematics, PCB Fabrication Notes	14 March 2014
PCB Fabrication Notes N07-981 rev 6	14 March 2014
N08-058 Glacier T15BR Front Card	1 March 2013
PCB Fabrication Notes N08-058 revision 01,	29 March 2013
T1BR Installation Manual MAEN165	May 2014
T15BR_WEC_iX_ReleaseReport_Build13	19 May 2014
Beijer Electronics Inc. Firmware/Software Test Plan Template and Checklist	-
Master Parts List MPL1857	25 April 2014

TEST REPORTS

L20p4230 Release 1	3 April 2014
11244-1S Revision 2	2 July 2014
247721-2.2	25 November 2014
247500-3.1	22 November 2013
247500-2.1	22 November 2013



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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
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Tel 905 631 9420

