



EU/UKCA Declaration of Conformity

**IMO Precision Controls Ltd
The Interchange,
Frobisher Way
Hatfield,
Hertfordshire,
AL10 9TG**

declare under our sole responsibility that the following product/s

**Programmable Logic Controller
XGB Series**

to which this declaration relates, are in conformity with the requirements of the following standards and other normative documents

Emission

IEC 61000-3-2:2014 EN 61000-3-2:2014 (BS EN 61000-3-2:3014)	Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
IEC 61000-3-3:2013 EN 61000-3-3:2013 (BS EN 61000-3-3:2013)	Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
IEC 61000-6-4:2006+A1:2010 EN 61000-6-4:2007+A1:2011 (BS EN 61000-6-4:2007+A1:2011)	Electromagnetic compatibility (EMC). Generic standards. Emission standard for industrial environments

Immunity

IEC 61000-4-2:2008 EN 61000-4-2:2009 (BS EN 61000-4-2:2009)	Electromagnetic compatibility (EMC). Testing and measurement techniques. Electrostatic discharge immunity test
IEC 61000-4-3:2006+A1:2007+A2:2010 EN 61000-4-3:2006+A1:2008+A2:2010 (BS EN 61000-4-3:2006+A2:2010)	Electromagnetic compatibility (EMC). Testing and measurement techniques. Radiated, radio-frequency, electromagnetic field immunity test
IEC 61000-4-4:2012 EN 61000-4-4:2012 (BS EN 61000-4-4:2012)	Electromagnetic compatibility (EMC). Testing and measurement techniques. Electrical fast transient/burst immunity test
IEC 61000-4-5:2014 EN 61000-4-5:2014 (BS EN 61000-4-5:2014)	Electromagnetic compatibility (EMC). Testing and measurement techniques. Surge immunity test
IEC 61000-4-6:2013 EN 61000-4-6:2014 (BS EN 61000-4-6:2014)	Electromagnetic compatibility (EMC). Testing and measurement techniques. Immunity to conducted disturbances, induced by radio-frequency fields

**IEC 61000-4-11:2004
EN 61000-4-11:2004
(BS EN 61000-4-11:2004)**

Electromagnetic compatibility (EMC). Testing and measurement techniques. Voltage dips, short interruptions and voltage variations immunity tests

LVD

**IEC 61131-2:2007
EN 61131-2:2007
(BS EN 61131-2:2007)**

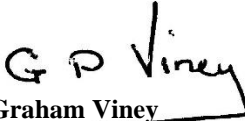
Programmable controllers. Equipment requirements and tests

and therefore conform to the protection requirements of the EU Directives and corresponding UK Legislation

2015/863/EU relating to **RoHS**
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

2014/30/EU relating to **Electromagnetic Compatibility**
Electromagnetic Compatibility Regulations 2016

2014/35/EU relating to **Low Voltage Directive**
Electrical Equipment (Safety) Regulations 2016


Graham Viney
Quality Manager
IMO Precision Controls Ltd.
Dated: 28/06/21

XBM Modules

Model	Description	Voltage
XBM-DN32S	XGB Micro PLC, 24Vdc Power 16 24V inputs, 16 Trans, RS485	DC 24V
XBM-DR16S	XGB Micro PLC, 24VDC Power 8 24V Inputs, 8 Relay Out RS232 and RS485 Comms	DC 24V

XBC(XEC) H Modules

Model	Description	Voltage
XBC-DR32H	XGB PLC, 100-240Vac Power, 16 24V inputs, 16 Relay, RS485	AC100-240V
XBC-DR32H/DC	XGB PLC, 24Vdc Power, 16 24V inputs, 16 Relay, RS485	DC 24V
XBC-DR64H	XGB PLC, 100-240Vac Power, 32 24V inputs, 32 Relay, RS485	AC100-240V
XBC-DR64H/DC	XGB PLC, 24Vdc Power, 32 24V inputs, 32 Relay, RS485	DC 24V
XEC-DR32H	XGB IEC PLC, 100-240Vac Power, 16 24V inputs, 16 Relay Outputs, RS485	DC 24V
XEC-DR32H/DC-E	XGB IEC PLC, 12-24VDC Power, 16 12-24V Inputs, 16 Relay Outputs, E-Marked	DC 12-24V
XEC-DR64H	XGB IEC PLC, 100-240Vac Power, 32 24V inputs, 32 Relay Outputs, RS485	DC 24V
XEC-DR64H/DC-E	XGB IEC PLC, 12-24VDC Power, 32 12-24V Inputs, 32 Relay Outputs, E-Marked	DC 12-24V

XBC (XEC) U Modules

Model	Description	Voltage
XBC-DN32U	XGBU PLC, 100-240Vac Power, 16 24VDC DI, 16 Transistor DO, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	AC100-240V
XBC-DR28U	XGBU PLC, 100-240Vac Power, 16 24VDC DI, 12 Relay Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	AC100-240V
XEC-DR28U	XGBU IEC PLC, 100-240Vac Power, 16 24VDC DI, 12 Relay Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	AC100-240V

XBC (XEC) U/DC Modules

Model	Description	Voltage
XBC-DN32U/DC	XGBU PLC, 24Vdc Power, 16 24VDC DI, 16 Transistor DO, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	DC 24V
XEC-DN32U/DC	XGBU IEC PLC, 24Vdc Power, 16 24VDC DI, 16 Relay Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	DC 24V
XBC-DR28U/DC	XGBU PLC, 24Vdc Power, 16 24VDC DI, 12 Relay Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	DC 24V
XEC-DR28U/DC	XGBU IEC PLC, 24Vdc Power, 16 24VDC DI, 12 Relay Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	DC 24V
XBC-DP32U/DC	XGBU PLC, 24Vdc Power, 16 24VDC DI, 16 Transistor Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	DC 24V
XEC-DP32U/DC	XGBU IEC PLC, 24Vdc Power, 16 24VDC DI, 16 Transistor Output, RS485, RS232 Ports, Mini USB, 2 Ethernet Ports, SD Slot	DC 24V

Digital I/O Modules

Model	Description	Voltage
XBE-DC16B	XGB Expansion Module 16 Point 12-24VDC Input	DC 12-24V
XBE-DC32A	XGB Expansion Module 32 point 24V input	DC 5V (SELV)
XBE-DR16A	XGB Expansion Module 8 Input 24V, 8 Relay Output	DC 5V (SELV)
XBE-TN16A	XGB Expansion Module 16 transistor output (sink)	DC 5V (SELV)
XBE-TN32A	XGB Expansion Module 32 transistor output (sink)	DC 5V (SELV)
XBE-TP16A	XGB Expansion Module 16 transistor output (source)	DC 5V (SELV)
XBE-TP32A	XGB Expansion Module 32 transistor output (source)	DC 5V (SELV)
XBE-RY16A	XGB Expansion Module 16 Relay Output	DC 5V (SELV)
XBE-DN32A	XGB Expansion Module 16 Transistor Input, 16 Transistor Output	DC 5V (SELV)

Special Modules

Model	Description	Voltage
XBF-AD04A	XGB Expansion Module 4 Analogue Input Volt / Current	DC 5V (SELV)
XBF-AD08A	XGB Expansion Module 8 Analogue Input Volt / Current	DC 5V (SELV)
XBF-AD04C	XGB Expansion Module 4 Analogue Input Volt / Current 14 Bit Resolution	DC 5V (SELV)
XBF-DV04A	XGB Expansion Module 4 Analogue Output (Volt)	DC 5V (SELV)
XBF-DV04C	XGB Expansion Module 4 Analogue Output (Volt) 14 Bit Resolution	DC 5V (SELV)
XBF-DC04A	XGB Expansion Module 4 Analogue Output (Current)	DC 5V (SELV)
XBF-DC04C	XGB Expansion Module 4 Analogue Output (Current) 14 Bit Resolution	DC 5V (SELV)
XBF-AH04A	XGB Expansion Module 2 Analogue In, 2 Analogue Out Volt / Current	DC 5V (SELV)
XBF-RD04A	XGB Expansion Module 4 PT100 Input	DC 5V (SELV)
XBF-TC04S	XGB Expansion Module 4 Thermocouple inputs, J,K,T,R	DC 5V (SELV)
XBF-PD02A	XGBU Positioning Module 2 Axis, Line Driver Type	DC 5V (SELV)
XBF-PN04B	XGBU Network Positioning Module, 4 Axis, Open Ethernet Type	DC 5V (SELV)
XBF-PN08B	XGBU Network Positioning Module, 8 Axis, Open Ethernet Type	DC 5V (SELV)
XBF-LD02S	XGB PLC 2 Channel Load Cell Input Module	DC 5V (SELV)

Communication Modules

Model	Description	Voltage
XBL-CMEA	XGB Communication Module CANopen Master I/F Module	DC 5V (SELV)
XBL-CSEA	XGB Communication Module CANopen Slave I/F Module	DC 5V (SELV)
XBL-EIPT	XGB Communication Module, EtherNet/IP I/F Module	DC 5V (SELV)
XBL-PMEC	XGB Communication Module Profibus-DP Master, RS485	DC 5V (SELV)
XBL-C21A	XGB Communication Module RS232	DC 5V (SELV)
XBL-C41A	XGB Communication Module RS485/422	DC 5V (SELV)
XBL-EMTA	XGB Communication Module Ethernet 10/100	DC 5V (SELV)
XBL-PSEA	XGB Communication Module Profibus DP Slave	DC 5V (SELV)

Smart I/Osnet Modules

Model	Description	Voltage
GSL-DT4A	Smart I/O, 20.4-28.8VDC Power, Modbus, 16 DI (19-28VDC), 16 DO (0.1A)	DC 24V
GSL-RY2A	Smart I/O, 20.4-28.8VDC Power, Modbus, 16 Relay Output, 2A (5A/Common)	DC 24V
GSL-D22A	Smart I/O, 20.4-28.8VDC Power, Modbus, 16 DI (19-28VDC)	DC 24V
GSL-D24A	Smart I/O, 20.4-28.8VDC Power, Modbus, 32 DI (19-28VDC)	DC 24V
GSL-DT4C1	Smart I/O, 20.4-28.8VDC Power, Modbus, 16 DI (19-28VDC), 16 DO PNP (Sink 0.5A)	DC 24V
GSL-RY2C	Smart I/O, 20.4-28.8VDC Power, Modbus, 16 Relay Output 2A (5A/Common)	DC 24V
GSL-D24C	Smart I/O, 20.4-28.8VDC Power, Modbus, 32 DI (19-28VDC)	DC 24V

Smart I/O Extendable Modules

Model	Description	Voltage
XEL-BSSA	Smart I/O, Modbus TCP Header, ENET I/O for XGB and i3-SEHF To Use with XGB I/O Expansion	DC 24V