EC Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We, the undersigned:

Manufacturer:	**Bitronics LLC** 261 Brodhead Road Bethlehem, PA 18017-8698 USA **T** +610.997.5100 **F** +610.997.5450 **E** bitronics@novatechweb.com	**Authorized Representative in the European Union:**	**NovaTech Europe BVBA** Kontichsesteenweg 71 2630 Aartselaar Belgium **T** +32.3.458.0807 **F** +32.3.458.1817 **E** info.europe@novatechweb.com

hereby declare that the following product(s) :

Product type :	PowerPlex II
Description :	Sychronizing Ethernet Transducer, 3-Phase (Measuring Equipment)
Models	**MTWDN7C constructed of either of the following as the AUX PWR voltage input option:**: Low V DC Auxiliary voltage input (AUX PWR or DC PWR) **when 8th character is D**; Universal Hi Range AC/DC Auxiliary voltage input (AUX PWR) **when 8th character is P**. **including the following features as standard**: Auxiliary voltage monitoring; Measurement signal inputs for 3-Phase Voltages (2 BUS), and Current (CT) inputs rated for Nominal input current of 5A ac (internal isolation of current inputs); Dual copper RJ45 Ethernet ports.. **including the following features as optional**: IRIG-B time sync input; Display port (RJ-11); Energy Pulse Infared LED. **including the following accessory as optional**: PowerPlex II Tethered Display Model PPXII-TD with interconnecting cable (RJ11).

Conform(s) with the protection requirements of the following directive(s) :

1. European Community Directive on EMC (EMCD) 2014/30/EU, superceding 2004/108/EC and Directive 91/263/EC [TTE/SES]. Fulfilment of the essential requirements set out in Annex I has been demonstrated.
2. European Community Directive on Low Voltage (LVD) 2014/35/EU, superceding 2006/95/EC. Fulfilment of the safety objectives referred to in Article 3 and set out in Annex I has been demonstrated.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation: Directives 2004/108/EC & 2006/95/EC (until April 19th, 2016) and Directives 2014/30/EU &, 2014/35/EU (from April 20th, 2016).

Reference Number : DOC B006 **Issue :** C

Date of issue : 22-November-2016

The requirements for the following directive(s) were determined to be not applicable

Directive #	Subject of Directive	Reason Directiive is Not Applicable
2011/65/EU	Restriction of the Use of Certain Substances in electrical equipment (RoHS)	Not applicable - large scale fixed installation is exempt per Article 2, clause 4e (utility substation equipment which is designed in)
2012/19/EU	Waste Electrical and Electronic (WEEE)	Not applicable - large scale fixed installation is exempt per Article 2, clause 4c (utility substation equipment which is designed in)

The following route(s) were used to establish conformity :

1. 2014/30/EU: (EMCD) In accordance with Article 14, Annex II **(**internal production control supported by a Technical File), superceding 2004/108/EC, in accordance with Article 7, Annex II.

Technical File No. :	TF B006
Date Issued or Revised :	22-Nov-2016 or later - New Legislative Framework & EMC Directive (Original 14-Oct-2014, prior 30-Jun-2016)
Conformity Assessment Body : (C.A.B.)	Underwriters Laboratories, LLC, WiSE, Melville Division 1285 Walt Whitman Road, Melville, NY 11747-3081 USA
Compliance Certificate / Test Report:	10216568, PowerPlex II, EMC Assessment, Model MTWDN7CD
Conformity Assessment Body : (C.A.B.)	Underwriters Laboratories, LLC, Consumer Technology Division (CTECH), 12 Laboratory Drive, Research Triangle Park, NC 27709, USA
Compliance Certificate / Test Report:	R10921409, PowerPlex II, EMC Assessment, Model MTWDN7CP

2. 2014/35/EU: (LVD) Self Certification supported by a Technical File, in accordance with Article 12, Annex III (internal production control), superceding 2006/95/EC.

Technical File No. :	TF B006
Date Issued or Revised :	22-Nov-2016 or later - New Legislative Framework & LVD Directive (Original 14-Oct-2014, prior 30-Jun-2016)
Conformity Assessment Body : (C.A.B.)	Underwriters Laboratories of Canada, Inc. 7 Underwriters Rd., Toronto, Ontario, M1R 3B4, Canada
Compliance Certificate / Test Report: (Superceded)	CB Certificate No. CA10239-UL issued by National Certification Body: UL (CA), 7 Underwriters Road, Toronto, M1R-3B4 Ontario, CANADA / CB Test Report E164178-A5-CB-1, PowerPlex II Model MTWDN7CD, Product Safety Assessment, Project 4786306596
Conformity Assessment Body : (C.A.B.)	Underwriters Laboratories, LLC, 1285 Walt Whitman Road, Melville, NY 11747-3081 USA
Compliance Certificate / Test Report:	CB Certificate No. CA10239-A1-UL issued by National Certification Body: UL (CA), 7 Underwriters Road, Toronto, M1R-3B4 Ontario, CANADA / CB Test Report E164178-A5-CB-1-Amendment 1 & Correction 1, PowerPlex II Models MTWDN7CD & MTWDN7CP, Product Safety Assessment, Project 4787048869
	CB Certificate No. US-28146-UL issued by National Certification Body: UL (US), 333 Pfingsten Rd., IL 60062, Northbrook, USA / CB Test Report E164178-A5-CB-2-Reissued, PowerPlex II Models MTWDN7CD & MTWDN7CP, Product Safety Assessment, Project SR3204220
	CB Certificate No. US-28146-UL issued by National Certification Body: UL (US), 333 Pfingsten Rd., IL 60062, Northbrook, USA / CB Test Report E164178-A5-CB-2-Correction-1, PowerPlex II Models MTWDN7CD & MTWDN7CP, Product Safety Assessment, Project 4787048869

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The following standards were used for reference and to establish conformity :

IEC/EN 61010-1, Edition 3, 2010 **UL 61010-1, Edition 3, 2012/05/11** **CAN/CSA No. 22.2, No. 61010-1-12, Ed. 3, 2012/05/01**	Safety requirements for electrical equipment for measurement, control, and laboratory use. Part 1: General requirements
IEC/EN 61010-2-030, Edition 1, 2010 **UL 61010-2-030, Edition 1, 2012/05/11** **CAN/CSA No. 22.2, No. 61010-2-030-12, Ed. 1, 2012/05/01**	Safety requirements for electrical equipment for measurement, control and laboratory use. Part 2-030: Particular requirements for testing and measuring circuits
EN 61326-1: 2013	Electrical Equipment for measurement, control and laboratory use – EMC requirements
EN 61000-6-4: 2007 + A1: 2011	Electromagnetic compatibility Part 6-4: Generic emission standard – Industrial environment.
EN 61000-6-2: 2005 + AC: 2005	Electromagnetic compatibility (EMC) Part 6-2: Generic standards - Immunity for Industrial environments.
EN 55011: 2009 + A1: 2010, Group 1 Class A **EN 55011: 2016, Group 1 Class A** **(including Conducted on VT inputs Bus1/Bus2)**	Radiated Emissions Electric Field Strength, AC Powerline Conducted Emissions
EN 55022: 2010 + AC: 2011 **EN 55032: 2012 + AC: 2013** **EN 55032: 2015 + AC: 2016-07** **Group 1 Class A (Conducted on Ethernet ports 1 & 2)**	Electromagnetic compatibility of multimedia equipment - Emission Requirements
EN 61000-4-2: 2009	Electrostatic Discharge (ESD)
EN 61000-4-3: 2006 + A1: 2008 + A2: 2010 **Class III**	Immunity to Radiated Electromagnetic Energy (Radio Frequency)
EN 61000-4-4: 2012, **Severity Level 3 (Measurment Signal Inputs – VTs & Mains AUX PWR)**	Electrical Fast Transient / Burst Immunity
EN 61000-4-5: 2014, **Installation Class 3 (VT Inputs & Mains AUX PWR)**	Surge Immunity
EN 61000-4-6: 2014 **Level 3**	Immunity to Conducted Disturbances Induced by Radio Frequency Fields
EN 61000-4-8: 2010	Immunity to Power Frequency Magnetic Fields
EN 61000-4-11: 2004 (VT Inputs & Mains AUX PWR)	AC Supply Voltage Dips and Short Interruptions
ANSI / IEEE C37.90.1: 2002	Surge Withstand Capability Test for Protective Relays and Relay Systems

Signed for and on behalf of the Company :	Alan Staatz, Vice President, Engineering Alan Staatz Novatech, LLC / Lenexa, Kansas USA

CE Marking Year 2014, 2016

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