



### EC DECLARATION OF CONFORMITY

We,  
FACTS Engineering, LLC.  
Rick Walker  
8049 Photonics Drive  
New Port Richey, FL

Declare under our sole responsibility that our Productivity 2000 I/O (intended for building-in to open PLC Systems) to which this declaration relates is in conformity with the following:

**Low Voltage Directive 2014/35/EU of 20 April 2016**  
**Electromagnetic Compatibility Directive 2014/30/EU of 26 February 2014**

Per the provisions of the following standard.  
EN61131-2: 2007<sup>1</sup> (Programmable Controllers, Third Edition/2007-07) Zone B  
EN61131-2: 2017<sup>2</sup> (Programmable Controllers, Fourth Edition/2017-08) Zone B  
EN61010 and EN61010-2-201<sup>2</sup> (Safety)

**RoHS Directive 2011/65/EU of 8 June 2011 and amendment (EU) 2015/863**  
More specifically, the following substances are restricted in the production of above products according to Directive limits:

Cadmium (Cd)	100 ppm
Hexavalent chromium (Cr <sup>6+</sup> )	1,000 ppm
Lead (Pb)	1,000 ppm
Mercury (Hg)	1,000 ppm
Polybrominated biphenyls (PBB's)	1,000 ppm
Polybrominated diphenyl ethers (PBDE's)	1,000 ppm
Bis(2-Ethylhexyl) phthalate (DEHP)	max 0.1%
Benzyl butyl phthalate (BBP)	max 0.1%
Dibutyl phthalate (DBP)	max 0.1%
Diisobutyl phthalate (DIBP)	max 0.1%

**REACH Directive EC No 1907/2006 of 18 December 2006**

The total amounts of the substances present are less than 0.1% weight X weight.

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Rick Walker, Vice President

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Date

The following modules are covered:

Power Supply: P2-01AC<sup>1</sup>, P2-01DCAC<sup>2</sup>, P2-01DC<sup>2/3</sup>, P2-02DC<sup>5</sup>

Base: P2-04B<sup>2</sup>, P2-07B<sup>2</sup>, P2-11B<sup>2</sup>, P2-15B<sup>2</sup>

PAC: P2-550<sup>2</sup>, P2-622<sup>2/5</sup>, P2CDS-622<sup>2/5</sup>

Remote Slave: P2-RS<sup>2</sup>

Discrete Input: P2-08NE3<sup>2</sup>, P2-16NE3<sup>2</sup>, P2-32NE3<sup>2</sup>, P2-08NAS<sup>2</sup>, P2-16NA<sup>2</sup>, P2-08SIM<sup>1</sup>, P2-08ND3<sup>2</sup>, P2-16ND3<sup>2</sup>, P2-32ND3<sup>2</sup>, P2-32ND3-1<sup>2</sup>, P2-16ND3-1<sup>2</sup>, P2-08ND3-1<sup>2</sup>, P2-16ND-TTL<sup>6</sup>

Discrete Output: P2-08TD1P<sup>2</sup>, P2-08TD2P<sup>2</sup>, P2-16TD1P<sup>2</sup>, P2-16TD2P<sup>2</sup>, P2-32TD1P<sup>2</sup>, P2-32TD2P<sup>2</sup>, P2-08TD1S<sup>2</sup>, P2-08TD2S<sup>2</sup>, P2-15TD1<sup>2</sup>, P2-15TD2<sup>2</sup>, P2-16TD-TTL<sup>6</sup>

Triac Output: P2-08TAS<sup>2</sup>, P2-16TA<sup>2</sup>

Relay Output: P2-08TRS<sup>1</sup>, P2-16TR<sup>1</sup>, P2-06TRS<sup>6</sup>

Analog Input: P2-04AD<sup>2</sup>, P2-08AD-1<sup>2</sup>, P2-08AD-2<sup>2</sup>, P2-16AD-1<sup>2</sup>, P2-16AD-2<sup>2</sup>, P2-08ADL-1<sup>2</sup>, P2-08ADL-2<sup>2</sup>, P2-16ADL-1<sup>2</sup>, P2-16ADL-2<sup>2</sup>, P2-04AD-1<sup>2/3</sup>, P2-04AD-2<sup>2/3</sup>

Analog Output: P2-04DA<sup>2</sup>, P2-08DA-1<sup>2</sup>, P2-08DA-2<sup>2</sup>, P2-16DA-1<sup>2</sup>, P2-16DA-2<sup>2</sup>, P2-08DAL-1<sup>2</sup>, P2-08DAL-2<sup>2</sup>, P2-16DAL-1<sup>2</sup>, P2-16DAL-2<sup>2</sup>, P2-04DAL-1<sup>2</sup>, P2-04DAL-2<sup>2</sup>, P2-04DA-1<sup>2/3</sup>, P2-04DA-2<sup>2/3</sup>

Analog Input/Output: P2-8AD4DA-1<sup>1</sup>, P2-8AD4DA-2<sup>1</sup>

Temperature Modules: P2-06RTD<sup>2</sup>, P2-08THM<sup>2</sup>, P2-08NTC<sup>2</sup>

Communications Module: P2-SCM<sup>2</sup>

High Speed Module: P2-HSI<sup>1</sup>, P2-HSO<sup>1</sup>

Pulse Width Modulation: P2-04PWM<sup>2/3</sup>

High Speed Counter: P2-02HSC<sup>2/3</sup>

Note<sup>1</sup>: EMC and Safety (EN61131-2: 2007)

Note<sup>2</sup>: EMC (EN61131-2:2017) and Safety (EN61010 and EN61010-2-201)

Note<sup>3</sup>: Launch Date 2020

Note<sup>4</sup>: Launch Date 2022

Note<sup>5</sup>: Launch Date 2023

Note<sup>6</sup>: Launch Date 2024

**Additional Information:**

It is required that all PLC equipment must be housed in a protective steel enclosure, which limits access to operators by lock and power breaker and that all cables exit enclosure, do so through metallic conduits.

The P2-HSI and P2-HSO discrete I/O require shielded cables.

The P2-08TD1P, P2-08TD2P, P2-16TD1P and P2-16TD2P are limited to cable runs  $\leq 30$  m.

The P2-08TD1P, P2-08TD2P, P2-16TD1P and P2-16TD2P require external surge suppression on runs  $> 30$  m.

**The P2-622 and P2CDS-622 require a Ferrite Fair-Rite # 0475176451 or equivalent with three turns on Ethernet cable to comply with Conducted Emissions.**