DECLARATION OF CONFORMITY

Manufacturer Name: OPAL-RT Technologies Inc.
Manufacturer Address: 1751 Richardson suite 1060, Montreal, QC H3K 1G6 Canada
www.opal-rt.com

This declaration of conformity is issued under the sole responsibility of:

OPAL-RT Technologies Inc.

Product Model / Product:

OP4810-IO/OP4815-IO with any of the following options:
OP48H10
OP48H20
OP5969-1
OP5969-2

Product Description:

Simulator with Digital and Analog Input and Output cards intended for indoor use only.
Ratings: 100-240 VAC, 50-60 Hz, 250W max, pollution degree 2

Product category:

Electrical equipment for measurement, control, and laboratory use.

CE Conformity with the relevant Community harmonisation legislation:

2014/30/EU – Electromagnetic Compatibility Directive
2014/35/EU – Low Voltage Directive
2011/65/EU & (EU) 2015/863 – Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment directive
2012/19/EU – Waste from Electrical and Electronic Equipment (WEEE) Directive

UKCA Conformity with the relevant harmonisation legislation:

Electromagnetic Compatibility Regulations 2016
Electrical Equipment (Safety) Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

References to the standards in relation to which conformity is declared		
Category	**Standards**	**Test Specifications**
Emissions:	EN IEC 61326-1:2021	
	EN55011 (2016) A1(2017) CISPR11(2015) A1(2016) A2 (2019)	Conducted Emissions: Group 1 - class A 150kHz-30MHz Radiated Emissions: Group 1 - class A 30MHz-20GHz
Immunity:	IEC61000-4-2 (2008)	Contact: ±4kV Air: ±2kV, ±4kV, ±8kV
	IEC61000-4-3 (2020)	80MHz-1000MHz: 10V/m 1.4GHz-6GHz: 3V/m
	IEC61000-4-4 (2012)	Power: ±2kV / 5kHz & 100kHz I/O Ports: N/A Communication Ports (Ethernet): ±1kV / 5kHz & 100kHz
	IEC61000-4-5 (2014) A1 (2017)	Power: ±2kV L-PE / ±1kV L-L I/O Ports: N/A Communication Ports: N/A
	IEC61000-4-6 (2013)	Power: 3V I/O Ports: N/A Communication Ports (Ethernet): 3V
	IEC61000-4-8 (2009)	Continuous Field: 30A/m – 50Hz & 60Hz
	IEC61000-4-11 (2020)	Voltage dips: 0%Un during 1 cycle 40%Un during 10 cycles (at 50Hz) 40%Un during 12 cycles (at 60Hz) 70%Un during 25 cycles (at 50Hz) 70%Un during 30 cycles (at 60Hz) Short interruptions: 0%Un during 250 cycles (at 50Hz) 0%Un during 300 cycles (at 60Hz)
Safety:	EN 61010-1 :2010/A1 :2019 IEC 61010-1 :2010, IEC 61010-1 :2010/AMD1 :2016	

Date: 2024-03-28

Authorised representative
Pascal Carrieres
Director - R&D Platform / Directeur(trice) – Plateforme R&D
OPAL-RT TECHNOLOGIES