

EU Declaration of Conformity

In accordance with IEC 17050-1

We:

Manufacturer's Name: Computational Systems Inc.

Manufacturer's Address: 835 Innovation Drive
Knoxville, TN 37932
USA

declare under sole responsibility that the product:

Product Name: Wireless Vibration Transmitter

Model: CSI 9420

Revision Level: 0 and up

to which this declaration relates, is in conformity with the provisions of the European Community Directives, including the latest amendments, as shown in the attached schedule.

Assumption of conformity is based on the application of the harmonized standards and, when applicable or required, a European Community notified body certification, as shown in the attached schedule.



A handwritten signature in black ink, appearing to read 'Bob White', is written over a horizontal line.

Bob White
Quality Manager
Knoxville, Tennessee U.S.A.
on 26 January 2018

European Contact: Mr. Bruno Hecker
Emerson
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Gronau, Germany
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EU Declaration of Conformity

In accordance with IEC 17050-1

EMC Directive 2014/30/EU

All Versions

Applicable Standards: IEC 61326-1: 2012 (Second Edition)

Low Voltage Directive 2014/35/EU

All Versions

Applicable Standards: EN 61010-1:2010 (2010 Edition)

Radio Equipment Directive 2014/53/EU

Versions shipped after 1/1/2015

Applicable Standards: EN 300 328: V2.1.1
EN 301 489-1: V3.2.1
EN 301 489-17: V3.2.1
EN 62479: (2010)

Models rated for non-hazardous areas:

B9420WA1-NR; B9420WA1L-NR; B9420WA1LE-NR; B9420WA1SS-NR; B9420WA1LSS-NR

ATEX Directive 2014/34/EU

Type Examination Certificate Number:

SIRA 15ATEX4237X & IECEx CSA 12.0014X

Applicable Standards:

EN 60079-0: 2012/A11: 2013

EN 60079-11: 2012

Models: B9420WA1-DC, B9420WA1L-DC, B9420WA1LSS-DC, B9420WA1SS-DC,
B9420WA1LEZ, B9420WA1LZ, B9420WA1Z, B9420WA1SSZ, B9420WA1LSSZ,
B9420WA1EZ, B9420WA1LJ, B9420WA1LEJ, B9420WA1SSJ, B9420WA1LSSJ,
B9420WA1J, B9420WA1EJ

Marking appears as follows:



Ex ic IIC T4 Gc (-40°C ≤ Ta ≤ +85°C) without LCD fitted or

Ex ic IIC T4 Gc (-20°C ≤ Ta ≤ +80°C) with LCD fitted

Hart Connector: U_o = 7.8 V I_o = 155 mA P_o = 303 mW C_o = 2 μF L_o = 3 mH
U_i = 7.8 V I_i = 5 mA P_i = 9.75 mW C_i = 54 μF L_i = 3.1 mH

Accelerometer Connector: U_o = 7.8 V I_o = 158 mA P_o = 309 mW C_o = 2 μF L_o = 3 mH

Special Condition for Safe Use

- The apparatus has a plastic antenna which constitutes a potential electrostatic hazard. The antenna must not be rubbed or cleaned with solvents.
- The apparatus may be equipped with an aluminum alloy or stainless-steel enclosure. The aluminum alloy enclosure is given a protective polyurethane paint finish; however, care should be taken to protect it from impact or abrasion.
- This monitor shall only be used with either Emerson Battery Pack 701PBKKF or A0701PBU.
- Intrinsically safe when installed per drawing D25418.
- The battery pack may present a potential electrostatic ignition hazard. Use Caution when replacing battery pack.

ATEX Notified Body for EX Type Examination Certificate

Number SIRA 15ATEX4237X

CSA Group

178 Rexdale Boulevard

Toronto, Ontario M9W 1R3

Canada

EU Declaration of Conformity

In accordance with IEC 17050-1

Type Examination Certificate Number: SIRA 16ATEX2148X
Applicable Standards: EN 60079-0:2012/A11:2013
EN 60079-11:2012

Models: B9420WA1-DC, B9420WA1L-DC, B9420WA1LSS-DC, B9420WA1SS-DC,
B9420WA1LEZ, B9420WA1LZ, B9420WA1Z, B9420WA1SSZ, B9420WA1LSSZ,
B9420WA1EZ, B9420WA1LJ, B9420WA1LEJ, B9420WA1SSJ, B9420WA1LSSJ,
B9420WA1J, B9420WA1EJ

Marking appears as follows:



Ex ia IIB T4 Ga

SIRA 16ATEX2148X

-40°C ≤ Ta ≤ +85°C without LCD fitted or

-20°C ≤ Ta ≤ +80°C with LCD fitted

Hart Connector: Uo = 7.8 V Io = 155 mA Po = 303 mW Co = 2 μF Lo = 3 mH
Ui = 7.8 V Ii = 5 mA Pi = 9.75 mW Ci = 54 μF Li = 3.1 mH

Accelerometer Connector: Uo = 7.8 V Io = 158 mA Po = 309 mW Co = 2 μF Lo = 3 mH

Special Condition for Safe Use (denoted by X after the certificate number)

- The antenna may present a potential electrostatic ignition hazard and shall not be rubbed or cleaned with a dry cloth.
- The apparatus may be equipped with an aluminum alloy enclosure; therefore, care should be taken to protect it from impact or abrasion, particularly if it is located in a Zone 0 environment.
- Intrinsically Safe when installed per drawing D25418.
- The battery pack may present a potential electrostatic ignition hazard. Use caution when replacing battery pack.

ATEX Notified Body for EX Type Examination Certificate

Number Sira 16ATEX2148X

CSA Group

178 Rexdale Boulevard

Toronto, Ontario M9W 1R3

Canada

Notified Body for Quality System

SIRA Certification Service

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