



## US Declaration of Conformity

### Hereby we,

Name of manufacturer: TWTG R&D B.V.  
Address: Schaardijk 386  
Zip code & City: 2909 LA, Capelle a/d IJssel  
Country: The Netherlands  
Phone number: +31 (0) 10 203 7905

### declare that this DoC is issued under our sole responsibility and that this product:

#### Product Description:

1. TS-fff-cc-yy – Temperature sensor node, single variant, intended to monitor the surface temperature of liquid storage tanks and associated piping.
2. VS-fff-cc-MTy – Valve sensor node, multi-turn variant, intended to monitor the status (open / closed) of multi-turn manual valves.
3. VS-fff-cc-QTy – Valve sensor node, quarter-turn variant, intended to monitor the status (open / closed) of quarter-turn manual valves.
4. VS-fff-cc-CSyy – Contact sensor node, intended to monitor the desired state of an asset or to indicate that certain assets are in the correct / incorrect position.

#### Type Designation(s):

Designation	Frequency (fff)	Revision Number (cc)	Software Functionality (xx)	Regional Variant (yy)
TS-915-01-02	915	01	Temperature sensor, TS	02
VS-915-01-MT02	915	01	Valve sensor, MT	02
VS-915-01-QT02	915	01	Valve sensor, QT	02
VS-915-01-CS02	915	01	Contact sensor, CS	02

#### Product Serial Number: **xx-fff-yy-zzzzzzzz** where:

xx Product variant  
fff Frequency  
yy Year of manufacture  
zzzzzzzz Unique number  
VS-915-22-00000001 Valve Sensor Example Serial Number

Covered by the following FM classification for the US:

- IS Class I Division 1, Groups C, D; T4 Ta = -40°C to +80°C
- Class I, Zone 1, AEx ia IIB T4 Gb Ta = -40°C to +80°C

Covered by the following FM classification for Canada:

- Class I Division 1, Groups C, D; T4 Ta = -40°C to +80°C
- Zone 1, Ex ia IIB T4 Gb Ta = -40°C to +80°C

**is in conformity with the relevant Union harmonization legislation:**

1. US FM Approval standards and other documents:
  - a. FM Class 3600:2018
  - b. FM Class 3610:2018
  - c. FM Class 3810:2018
  - d. ANSI/ISA 60079-0:2019
  - e. ANSI/ISA 60079-11:2014
  - f. ANSI/IEC 60529:2004
2. Canadian FM Approval standards and other documents:
  - a. CSA-C22.2 No. 60529:R2016
  - b. CAN/CSA-C22.2 No. 60079-0:2019
  - c. CAN/CSA-C22.2 No. 60079-11:2014
  - d. CAN/CSA-C22.2 No. 61010-1:2012
3. Radio Equipment Directive
  - a. FCC CFR 47, Part 15 Subpart C
  - b. FCC CFR 47, Part 15, Subpart B (10-1-16 Edition)
  - c. USA FCC Part 15.247, 15.209
4. WEEE Directive 2012/19/EU
5. RoHS 2011/65/EU

Notified Body FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA, performed US and Canadian-type examinations according to FM Approvals US Certification Requirements, and Canadian Certification Scheme, issuing certificate number(s):

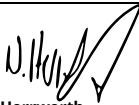
- FM20US0015X
- FM20CA007X

Notified Body Dekra Testing and Certification, S.A.U, Parque Tecnológico de Andalucía, Calle, Severo Ochoa 2 y 6, Campanillas – Malaga, 29590, Spain granted authorization of equipment, issuing certificate number(s):

- 2ATYF-C19-001

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**Signature**



**Name: N. Herrwerth**

**Function: Managing Director**

**Document name: TWTG-DoC-US,CAN-03082022**

**Effective date of this document: 03-08-2022**