

EU DECLARATION OF CONFORMITY

We **Yokogawa Electric Corporation**
2-9-32 Nakacho, Musashino-shi, Tokyo, 180-8750 Japan

declare under our sole responsibility that the Products identified as:

Model code	Model name
FN110	Field Wireless Communication Module

further specified with model suffix and option codes:

as listed in General Specification: GS 01W03B01-01EN (Ed.9)
(See Appendix 2 for additional information.)

is in compliance with the EU law and legislation providing for the CE-marking, as listed in Appendix 1.

Information relevant to the conformity and identification of these Products is provided in Appendix 2, Appendix 3 and Appendix 4.

Subject product is:

- Produced according to appropriate quality control procedure.
- Provided with the CE-marking as from **2014**.

Signature:

(Manufacturer)

Tokyo, 18 January 2019



Hideyuki Toda
General Manager
Wireless Development Dept.
New Field Development Center
IA Products and Service Business HQ
Yokogawa Electric Corporation

(Authorized Representative in the EEA)

Amersfoort, *30 January 2019*



Herman van den Berg
President
Yokogawa Europe B.V.
Euroweg 2, 3825 HD Amersfoort,
P.O.Box 163, 3800 AD Amersfoort,
The Netherlands


YEF-HQ internal reference:
EU DoC: FN110

Appendix 1

The products are built in compliance with requirements of the following EU Directives and Standards;

Model – Suffix / Option code structure: **FN110** – bb – c d e f – g h / x
 (Distinctive combinations of suffix and option codes as indicated per table. Unless otherwise stated, it means that all defined code is relevant.)

EU Directives	Standards
2014/53/EU (RED)	<p>HEALTH & SAFETY [Article 3, 1. (a)] EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements EN 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human an exposure to electromagnetic fields (10 MHz to 300 GHz)</p> <p>EMC [Article 3, 1. (b)] EN 301 489-1 V2.1.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU. EN 301 489-17 V3.1.1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU. EN 61326-1:2013 Class A Table 2 Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements EN 55011:2009+A1:2010 Class A Group1 EN 55011:2016+A1:2017 Class A Group1 Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement</p> <p>SPECTRUM (Article 3, 2.) EN 300 328 2.1.1 Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.</p>
2011/65/EU (RoHS)	<p>EN 50581:2012 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.</p>

EU Directives	Standards	-Suffix	/Option
2014/34/EU (ATEX)	EN 60079-0:2012+A11:2013	bb = A1	KS27
	Explosive atmospheres -- Part 0: Equipment - General requirements		
	EN 60079-11:2012		
	Explosive atmospheres -- Part 11: Equipment protection by intrinsic safety "I"		
	The equipment or protective system includes the following specific marking of explosion protection:  II 1 G Ex ia IIC T4 Ga		
The Name of the Notified Body: DNB Nemko Presafe AS. The Identification Number of the Notified Body: 2460 The Address of the Notified Body: P.O. Box 73, Blindern, 0314 Oslo, Norway The Number of the EU Type-Examination Certificate: Presafe 15 ATEX 6309X			
Quality Assurance Notification is issued by: The Name of the Notified Body: DEKRA Certification B.V. The Identification Number of the Notified Body: 0344 The Address of the Notified Body: Meander 1051 6825 MJ Arnhem, The Netherlands The Number of Quality Assurance Notification: DEKRA 11ATEXQ0127			

Appendix 2

If the Product model code contains the code "Z", it means that the Product is produced with a customer specific modification. Any such Product – if produced after the date of signing this document by the Manufacturer - is also in scope of this EU-Declaration of Conformity. The code "Z"- specific application notes and serial numbers of products subject to this modification are listed in a dedicated document, of which original is a part of the Technical Documentation. A copy of that document is accompanying each product at delivery.

Appendix 3

The accessories in the list below have CE-marking significant compliance relevance; The full list of accessories for this product and references to documents containing instruction for safe use can be found in **IM 01W03B01-01EN** and **IM 01W03B01-02EN** for FN110 Attachment.

Indications: 'C' = The accessory conforms to the Directive as a part of the product.
 'R' = The accessory is relevant to the conformity of the product as a part of the product.
 'NR' = The accessory is not relevant to the conformity of the product.
 'NS' = The accessory does not support the Directive.

Model No.	Model name	Description	Relevant EU Directives		
			RE	RoHS	ATEX ^{*1}
F9092ED	Remote antenna cable	3m with mounting bracket and metal waterproof cap	C	C	C ^{*2}
F9092EE		10m with mounting bracket and metal waterproof cap	C	C	C ^{*2}
F9092EF		20m with mounting bracket and metal waterproof cap	C	C	NS ^{*3}
F9092EG		3m with mounting bracket	C	C	C ^{*2}
F9092EH		10m with mounting bracket	C	C	C ^{*2}
F9092EJ		20m with mounting bracket	C	C	NS ^{*3}
IM 01W03B01-01EN	User's Manual	---	R	R	R

***1:** ATEX is only applicable the product with /KS27.

***2:** Cables are outside of the scope of EN 60079-11 and excluded in **Presafe 15 ATEX 6309X**, but - in case connected to the FN110 - in scope of this EU Declaration of Conformity covering the total configuration for all intended applications.

***3:** Electrical parameters of the cable exceed maximum permissible values certified by **Presafe 15 ATEX 6309X**.

Appendix 4

External View of FN110



With FN110 attachment

Image of Nameplate
(Typical example; details may differ)

MODEL	FN110
SUFFIX	-A1-L00A-AA
READ IM 01W03B01-01 LISEZ IM 01W03B01-01	
	FCC ID : SGJ-WFC011 IC : 8999A-WIC010
2015.04	
S/N	91P327137 017
EUI64	0000:64FF:FE9B:C16E
SUPPLY	2.9-4.8 VDC 60mA
TAG NO.	NE13A-1234
YOKOGAWA Made in Japan TOKYO 180-8750 Yokogawa Electric Corporation JAPAN	

MODEL	FN110
SUFFIX	-A1-L00A-AA/KS27
WARNING	
POTENTIAL ELECTROSTATIC CHARGING HAZARD	
READ IM 01W03B01-01 FCC ID : SGJ-WFC011 IC : 8999A-WIC010	
2015.04	
	II 1 G Ex ia IIC T4 Ga -40°C ≤ Ta ≤ +70°C Presafe 15ATEX6309X 0344 INSTALL AS PER IIE023-A71
S/N	91P327137 017
EUI64	0000:64FF:FE9B:C16E
SUPPLY	2.9-4.8 VDC 60mA
TAG NO.	NE13A-1234
YOKOGAWA Made in Japan TOKYO 180-8750 Yokogawa Electric Corporation JAPAN	

Explosion Protected Type
(only when /KS27 is specified)

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