YOKOGAWA ◆

Doc No: AEN401-C06

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
YFGW510	**Field Wireless Access Point**

further specified with model suffix and option codes:

Suffix code of 'Communication interface': 1 or **2**
Further suffix and option codes are listed in General Specification:
GS 01W02E01-01EN (Ed.10)
See Appendix 2 for additional information.

are 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 products are:
- Produced according to appropriate quality control procedure.
- Provided with the CE-marking as from **2012**.

Signature:

(Manufacturer)

Tokyo, 26 June, 2017

Hideyuki Toda

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

(Authorized Representative in the EEA)

Amersfoort, 26 June 2017

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: **YFGW510**

Appendix 1

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

Model – Suffix / Option code structure: **YFGW510 –** b $\frac{1}{2}$ d e f – g h i j k l m n o / x

(Distinctive combinations of suffix and option codes are indicated per table. Unless otherwise stated, it means that the all defined code is relevant.)

EU Directive	Standards
2014/53/EU (RE)	HEALTH & SAFETY (Article 3, 1.(a)) **EN 61010-1:2010** Safety requirements for electrical equipment for measurement, control, and laboratory use, Part1: General requirements **EN 62311:2008** *1 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz – 300GHz) 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 55011:2009+A1:2010 Class A Group1** Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement **EN 61000-6-2:2005** Electromagnetic compatibility – Generic standards – Immunity for industrial environments **EN 61326-1:2013 Class A Table 2** Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements SPECTRUM (Article 3, 2.) **EN 300 328 V.2.1.1** *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.
2011/65/EU (RoHS)	**EN 50581:2012** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

***1:** *These standards are applied to the radio modem only.*

EU Directive	Standards	/Option
2014/34/EU (ATEX)	**EN 60079-0:2012+A11:2013** Explosive atmospheres -- Part 0: Equipment - General requirements **EN 60079-11:2012** Explosive atmospheres -- Part 11: Equipment protection by intrinsic safety "i" **EN 60079-15:2010** Explosive atmospheres -- Part 15: Equipment protection by type of protection "n"	x = **KN27**
	The equipment or protective system includes the following specific marking of explosion protection: **II 3 G Ex nA[ic] IIC T4 Gc**	
	EN 60079-0:2012+A11:2013 Explosive atmospheres -- Part 0: Equipment - General requirements **EN 60079-1:2014** *1 Explosive atmospheres -- Part 1: Equipment protection by flameproof enclosures "d" **EN 60079-11:2012** Explosive atmospheres -- Part 11: Equipment protection by intrinsic safety "i"	x = **KF27**.
	The equipment or protective system includes the following specific marking of explosion protection: **II 2 G Ex d[ib] IIC T4 Gb** The Number of the EC Type-Examination Certificate: **DEKRA 15ATEX0042 X** EC Type Examination Certificate and 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**	

***1:** *The listed standards have been compared to the standards EN 60079-0 2012+A11:2013, EN 60079-1:2007 and EN 60079-11:2012 used for certification purposes, but no clauses containing changes in state-of-art apply to these products.*

Appendix 2

In case the Product model code contains the code "Z", it means that the Product is produced with a customer specific modification. Any such Product - in case 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 01W02E01-11EN**.

Model No.	Model Name	Description	Relevant EU Directives		
			RE	RoHS	ATEX *1
F9915KU	Remote antenna cable	3m with mounting bracket	C	C	C *2
F9915KV		13m (3m+10m) with arrestor and mounting bracket	C	C	C *2
F9915KW	Antenna	2dBi Standard Antenna (2.4GHz)	C	C	C *2
F9915KY		6dBi High gain antenna (2.4GHz)	C	C	C *2
F9195VG		9dBi High gain antenna (2.4GHz)	C	C	C *2
F9195VA		2dBi Standard Antenna (2.4GHz, 5GHz)	C	C	C *2
IM 01W02E01-11EN	User's Manual	User's Manual	R	R	R

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.
'NS' = The accessory does not support the Directive.
'NR' = The accessory is not relevant to the conformity of the product.

***1:** *Refer to Appendix 1 for distinctive combinations of suffix and option codes.*
***2:** *Listed Accessories are according to EN 60079-11 'Simple Apparatus' and excluded in DEKRA 15ATEX0042 X, but - in case connected to the YFGW510 - in scope of this EU Declaration of Conformity covering the total configuration for all intended applications.*

Appendix 4

External View of Product (YFGW510)

100BASE-TX/FX communication interface (Suffix[*1]: c = 1, 2)
***1**: *See Appendix 1 for the position of suffix code.*

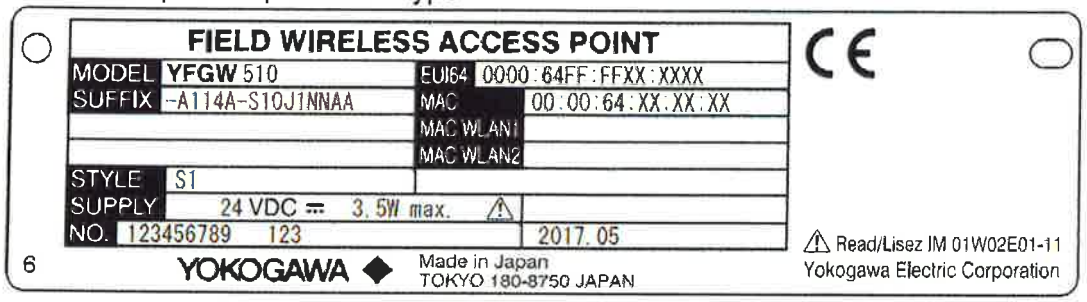
Image of Nameplate

(Typical example; details may differ)

Example of 100BASE-TX communication interface (Suffix*1: c = 1)

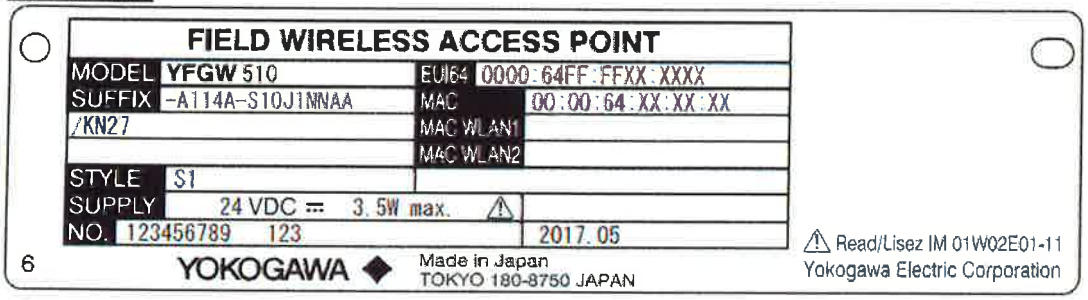
*1: *See Appendix 1 for the position of suffix code.*

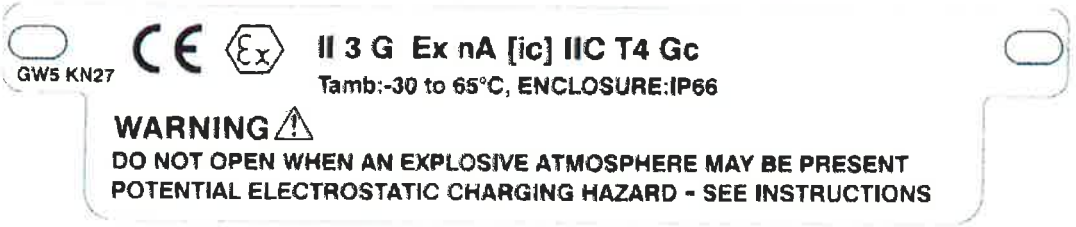
- Non Explosion protection type



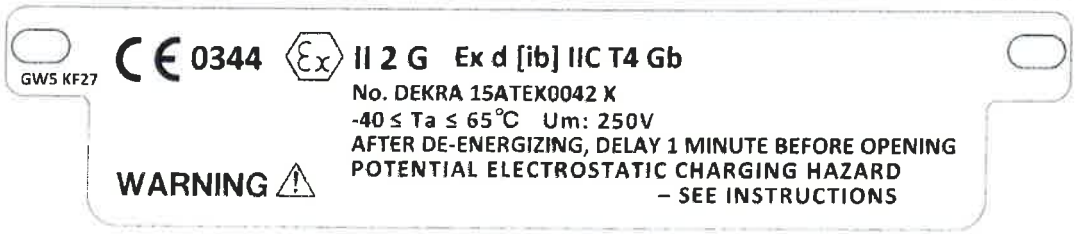
- Explosion protection type

With /KN27





With /KF27



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