

Spectrum Approvals for Fisher™ 4320 Wireless Position Monitor with On/Off Control Option

Note

This supplement also pertains to TopWorx™ 4310 Wireless Position Monitors with On/Off Control Option (Supported Status). See instruction manual [D103622X012](#), available at www.Fisher.com, for information regarding the 4310 wireless position monitor.

Telecommunication Compliance

Generally speaking all wireless devices require certification to ensure that they adhere to regulations regarding the use of the RF spectrum. Nearly every country requires this type of product certification. Emerson is working with governmental agencies around the world in order to comply with country directives and laws that govern wireless device usage.

General Information

The wireless position monitor transmits using radio frequencies in the 2.46 GHz range. As such, each country may require a spectrum approval for devices that operate using radio frequencies.

The wireless position monitor has a 2dB gain antenna.

The nameplate includes:

FCC ID: LW2RM2510

IC ID: 2731A-RM2510

CE Mark (indicates compliance to R&TTE Directive)



Australian RCM (Regulatory Compliance Mark)



The table on the following pages includes the countries that the 4320 is permitted to operate in. Specific countries may have additional markings, documentation, or requirements as indicated.

Related Documents

Fisher 4320 Wireless Position Monitor with On/Off Control Option Instruction Manual ([D103621X102](#))

For Supported Products:

Fisher 4320 Wireless Position Monitor Instruction Manual (D103392X012) (Obsolete document)

TopWorx 4310 Wireless Position Monitor with On/Off Control Option Instruction Manual ([D103622X012](#))

TopWorx 4310 Wireless Position Monitor Instruction Manual (D103391X012) (Obsolete document)

All documents are available from your Emerson Sales office or Local Business Partner, or at Fisher.com.

Country	Additional Requirements
Åland Islands	Declaration of Conformity, see figure 1
Albania	
Algeria	Customer is required to have a letter from the Autorite de Regulation des Postes et Telecommunications (ARPT) indicating that the instrument is not subject to approval
American Samoa	
Andorra	Declaration of Conformity, see figure 1
Angola	
Antarctica	
Antigua & Barbuda	
Argentina	4310: CNC ID: 16-7901 4320: CNC ID: 16-7902
Aruba	Declaration of Conformity, see figure 1
Australia	Suppliers Declaration of Conformity, see figure 2
Austria	Declaration of Conformity, see figure 1
Azerbaijan	
Bahamas	Declaration of Conformity, see figure 1
Bahrain	
Barbados	Declaration of Conformity, see figure 1
Belarus	
Belgium	Declaration of Conformity, see figure 1
Belize	
Bermuda	
Bolivia	
Bonaire/Saba/ St. Eustasius	
Bosnia & Herzegovina	
Botswana	
Bouvet Island	
Brazil	
British Indian Ocean Territory	Declaration of Conformity, see figure 1
Brunei Darussalam	4310: Certificate Number DRQ-D-AISHA-07-2008-110053-LPD-13701 4320: Certificate Number DRQ-D-AISHA-07-2008-110053-LPD-13700
Bulgaria	Declaration of Conformity, see figure 1
Burkina Faso	
Cambodia	
Cameroon	
Canada	
Cayman Islands	Declaration of Conformity, see figure 1
Chile	Declaration of Conformity, see figure 1
China	4310: CMIIT ID: 2015DJ4921 4320: CMIIT ID: 2015DJ4920
Christmas Islands	Suppliers Declaration of Conformity, see figure 2


Country	Additional Requirements
Cocos (Keeling) Islands	
Colombia	Declaration of Conformity, see figure 1
Congo	
Congo, Democratic Republic of	
Cook Islands	Suppliers Declaration of Conformity, see figure 2
Costa Rica	Declaration of Conformity, see figure 1
Cote d'Ivoire	
Croatia	
Curaçao	
Cyprus	Declaration of Conformity, see figure 1
Czech Republic	Declaration of Conformity, see figure 1
Denmark	Declaration of Conformity, see figure 1
Ecuador	Declaration of Conformity, see figure 1
Egypt	
El Salvador	
Estonia	Declaration of Conformity, see figure 1
Falkland Islands (Malvinas)	Declaration of Conformity, see figure 1
Faroe Islands	Declaration of Conformity, see figure 1
Finland	Declaration of Conformity, see figure 1
France	Declaration of Conformity, see figure 1
French Guiana	Declaration of Conformity, see figure 1
French Polynesia	Declaration of Conformity, see figure 1
French Southern Territories	Declaration of Conformity, see figure 1
Gabon	
Germany	Declaration of Conformity, see figure 1
Ghana	
Gibraltar	
Greece	Declaration of Conformity, see figure 1
Greenland	Declaration of Conformity, see figure 1
Guadeloupe	
Guam	
Guatemala	
Haiti	
Heard Island and McDonald Islands	Suppliers Declaration of Conformity, see figure 2
Holy See (Vatican City)	Declaration of Conformity, see figure 1
Honduras	
Hong Kong	
Hungary	Declaration of Conformity, see figure 1
Iceland	Declaration of Conformity, see figure 1
India	4310: ETA Certificate No.217/2009/WRLO 4320: ETA Certificate No.214/2009/WRLO

Country	Additional Requirements
Indonesia	4310: 29846/SDPPI/2013 - PLG ID:3128 4320: 13972/SDPPI/2013 - PLG ID:3128
Iraq	End user must obtain license
Ireland	Declaration of Conformity, see figure 1
Israel	
Italy	Declaration of Conformity, see figure 1
Jamaica	Declaration of Conformity, see figure 1
Japan	TELEC Certification mark Certification number: 006WWC0131
Kazakhstan	
Kenya	
Kuwait	
Latvia	Declaration of Conformity, see figure 1
Liechtenstein	Declaration of Conformity, see figure 1
Lithuania	Declaration of Conformity, see figure 1
Luxembourg	Declaration of Conformity, see figure 1
Macao	
Macedonia	
Madagascar	
Malaysia	4310: Transwater 05361 4320: Transwater 05360
Malta	Declaration of Conformity, see figure 1
Martinique	
Mexico	COFETEL - RCPORM08-1003
Montenegro	
Montserrat	
Morocco	
Mozambique	
Myanmar (Burma)	
Namibia	Accepts CE approvals
Netherlands	Declaration of Conformity, see figure 1
New Caledonia	
New Zealand	Suppliers Declaration of Conformity, see figure 2
Nicaragua	
Niger	
Nigeria	
Niue	Suppliers Declaration of Conformity, see figure 2
Norfolk Islands	Suppliers Declaration of Conformity, see figure 2
Norway	Not applicable for the geographical area within a radius of 20 km from the centre of Ny-Ålesund.
Oman	TRA/TA-R/1286-01/10 D080273
Panama	
Papua New Guinea	
Paraguay	


Country	Additional Requirements
Peru	
Philippines	
Poland	Declaration of Conformity, see figure 1
Portugal	
Puerto Rico	
Qatar	
Reunion	Declaration of Conformity, see figure 1
Romania	Declaration of Conformity, see figure 1
Russian Federation	
Saudi Arabia	
Senegal	
Seychelles	
Sikkim	4310: ETA Certificate No.217/2009/WRLO 4320: ETA Certificate No.214/2009/WRLO
Singapore	Complies with IDA Standards DA100927
Slovakia	Declaration of Conformity, see figure 1
Slovenia	Declaration of Conformity, see figure 1
South Africa	Radio Equipment Type Approval Certificate 4310: TA 2009/868 4320: TA 2010/1827
South Georgia & South Sandwich Islands	
Spain	Declaration of Conformity, see figure 1
Spanish Possessions of N. Africa	Declaration of Conformity, see figure 1
St. Marteen	
Sweden	Declaration of Conformity, see figure 1
Switzerland	Declaration of Conformity, see figure 1
Taiwan, Province of China	4310: CCAB10LP038AT2 4320: CCAB10LP0380T0
Tanzania	
Thailand	Conforms to the technical standards no. NTC TS 1012-2549.
Tibet	4310: CMIIT ID: 2010DJ0198 4320: CMIIT ID: 2010DJ0199
Tokelau	Suppliers Declaration of Conformity, see figure 2
Trinidad and Tobago	
Turkey	
Turks & Caicos Islands	
Ukraine	4310: UA1.025.0007804-11 4320: UA1.025.0007800-11
United Arab Emirates Abu Dhabi Dubai	TRA Dealer No. DA46807/15 4310: Reg. No. ER42517/15 4320: Reg. No. ER42516/15
United Kingdom	Declaration of Conformity, see figure 1
United Kingdom Channel Isle Isle of Man	Declaration of Conformity, see figure 1

Country	Additional Requirements
United States (USA)	
United States Minor Outlying Islands	
Uruguay	
Venezuela	Declaration of Conformity, see figure 1
Vietnam	4310 and 4320 have output power below 60mW; not subject to specific management of Ministry of Posts and Telematics Legal Decision No. 45/2006/QD-BBCT dated 3rd November 2006
Virgin Islands (British)	Declaration of Conformity, see figure 1
Virgin Islands (USA)	
Wallis and Futuna	
Yemen	

Figure 1. EU Declaration of Conformity



EMERSON
Process Management



FISHER

EU Declaration of Conformity

We, the manufacturer,

**Emerson Process Management
Fisher Controls International LLC
205 South Center Street
Marshalltown, Iowa 50158 USA**

declare under our sole responsibility that the following product(s);


**On/Off
Wireless Position Monitor**

TopWorx 4310
**4310 Battery Power with or without Pneumatic Output
4310 External Power with or without Pneumatic Output**

Fisher 4320
**4320 Battery Power with or without Pneumatic Output
4320 External Power with or without Pneumatic Output**

to which this declaration relates, is in conformity with the provisions of the following 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.



Danny Nelson
Vice President – Instrument Business Unit

14-March-2016
Date

European Contact
Emerson Process Management | Group Services SAS | Rue Paul-Baudry | B.P. 10 | 68701 Cernay Cedex France

EDOCS ID: FCS_37

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Figure 1. EU Declaration of Conformity (continued)

EMC Directive – 2014/30/EU

All models
EN 61326-1:2013

RED Directive – 2014/53/EU


All models
EN 301 489-1:1.9.2:2011, EN 301 489-17:2.2.1:2012, IEC 61010-1:2010

PED Directive – 2014/68/EU

Declaration of SEP

Models: 4310, 4320 – Battery Power with Pneumatic Output, 4310, 4320 – External Power with Pneumatic Output

The above equipment was designed and manufactured in accordance with Sound Engineering Practice (SEP) and is in compliance with Article 4 paragraph 3 of the PED Directive. Therefore the equipment cannot bear the CE mark related to PED compliance. However, the equipment *may* bear the CE mark to indicate compliance with *other* applicable EU Directives.

ATEX Directive – 2014/34/EU (Applicable only if this mark  appears on the product)

Certificate – LCIE13ATEX3059X – Group II Category 1 G – Intrinsically Safe

4310, 4320 – Battery Power without Pneumatic Output
Ex ia IIC T3(-40°C ≤ Ta ≤ 85°C), T4(-40°C ≤ Ta ≤ 75°C), T5(-40°C ≤ Ta ≤ 40°C) Ga

4310, 4320 – Battery Power with Pneumatic Output
Ex ia IIC T4(-20°C ≤ Ta ≤ 50°C), T5(-20°C ≤ Ta ≤ 46°C), T6(-20°C ≤ Ta ≤ 31°C) Ga

4310, 4320 – External Power without Pneumatic Output
Ex ia IIC T5(-40°C ≤ Ta ≤ 80°C) Ga

4310, 4320 – External Power with Pneumatic Output
Ex ia IIC T5(-20°C ≤ Ta ≤ 50°C) Ga

Standards used: EN60079-0:2012 + A11:2013, EN60079-11:2012

ATEX Notified Body for EC-Type Examination Certificate(s)

LCIE – Laboratoire Central des Industries Electriques – Notified Body Number: 0081
33 Avenue du General Leclerc BP 8
F92233 Fontenay-aux-Roses cedex
France

ATEX Notified Body for Quality Assurance

SGS Baseefa Limited – Notified Body Number: 1180
Rockhead Business Park
Staden Lane, Buxton, Derbyshire SK17 9RZ
United Kingdom

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Figure 2. Supplier's Declaration of Conformity—Australia and New Zealand

SDoC No: FCS_59

Supplier's Declaration of Conformity

For compliance levels 1, 2, and 3 in Australia and Levels of Conformity 1, 2, and 3 in New Zealand.

As required by notices under:

- Section 182 of the Australian Radiocommunications Act 1992,
- Section 407 of the Australian Telecommunications Act 1989, and
- Section 134 of the New Zealand Radiocommunications Act 1989.

Australian Government
Australian Communications and Media Authority

Instructions for completion

This completed form remains with the supplier as part of the documentation required for the compliance records do not return to the ACMA or RSM.

Supplier details

Name (NAME OF MANUFACTURER OR IMPORTER)	ACN, ARBN, ABN, NZCN or NZ GST Number
Emerson Process Management Australia Pty Ltd	99-004-590-005
(trading as Fisher Controls)	ACMA/MED Supplied Code Number
Address (ADDRESS OF MANUFACTURER OR IMPORTER)	N97
471 Mountain Highway	
Bayswater, Victoria POST CODE 3153	

Product details

Product description-brand name, model, lot, batch or serial number (if available)

TopWorx 4310 Wireless Position Monitor with alloy enclosure
Fisher 4320 Wireless Position Monitor with alloy enclosure
With Integral Antenna (2 dBi); battery or externally powered; optional pneumatic output
(Manufactured by: Fisher Controls International, LLC, 205 South Center Street, Marshalltown, Iowa 50158 USA)

Applicable Standards details

Standards title, number, edition, and if applicable the test report number

EN 61326-1:2013 2 nd Edition
EN 301 489-1 v1.8.1:2008, EN 301 489-1 v1.9.2:2011, EN 301 489-17 v2.1.1:2009,
EN 301 489-17 v2.2.1:2012

Declaration

I hereby declare that the product mentioned above complies with the above mentioned standards and all products supplied under this Declaration will be identical to the sample identified above.

Signature of supplier / agent	Date
	11-Feb-2016
Danny Nelson	
PRINT NAME	
Vice President – IBU, Fisher Controls Intl., LLC	
POSITION IN ORGANISATION	

Revision History
11Feb16 – FCI original Issue (replaces SDoC EPMA-1263)

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