

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

**0905-CPR-00496**

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

**Product(s):** **BiWire Flexi and Conventional Range of Control and Indicating Equipment**

(refer to attached appendix for details and conditions)

**Placed on the market under the name or trade mark of:** **Eaton Electrical Systems Limited**  
Electrical Sector EMEA, Route de la Longeraie 7  
1110 Morges, Switzerland

**and produced in the manufacturing plant(s):** **Digital Lighting (Dongguan) Co. Ltd. (SG- 15583)**  
Xin Min Road, Xin Min District, Changan Town  
523879 Dongguan City, Guangdong Province, P. R. China

\* a subsidiary of Eaton Electrical Systems Limited

**Intended use:** **Fire Safety**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

**EN 54-2:1997+A1:2006**  
**EN 54-4:1997+A1:2002+A2:2006**

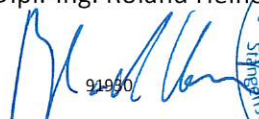
Under System 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

This certificate was first issued under **0359-CPR-00496** on **2016-06-15** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

**Notified Body**  
**0905**

**Certification Manager:** Dipl.-Ing. Roland Heine **Date Issue:** 2019-10-15

**Signature:**





**Issue:** 1

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

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## APPENDIX TO: Certificate of Constancy of Performance 0905-CPR-00496

The details and conditions of use for the BiWire Flexi and Conventional Range of Control and Indicating Equipment, placed on the market under the name or trade mark of:

### Eaton Electrical Systems Limited

Electrical Sector EMEA, Route de la Longeraie 7, 1110 Morges, Switzerland

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

**Products compliant with EN54-2:1997+A1:2006 and EN54-4:1997+A1:2002+A2:2006:**

Model	Manufacturing Location	Description	Applicable Options with Requirements
EFBW2ZONE-FLEXI	SG- 15583	Eaton BiWire FLEXI 2 Zone Fire Panel Comprising of: BiWire FLEXI Main Board; Eaton 2 Zone BiWire Ultra Power Supply Option Board; FRE / FPE / 2 Zonal Relays	Clause 7.8, Clause 7.9.1, Clause 7.10.1 and Clause 10.0
EFBW4ZONE-FLEXI	SG- 15583	Eaton BiWire FLEXI 4 Zone Fire Panel Comprising of: BiWire FLEXI Main Board; Eaton 4 Zone BiWire Ultra Power Supply Option Board; FRE / FPE / 4 Zonal Relays	Clause 7.8, Clause 7.9.1, Clause 7.10.1 and Clause 10.0
EFBW8ZONE-FLEXI	SG- 15583	Eaton BiWire FLEXI 8 Zone Fire Panel Comprising of: BiWire FLEXI Main Board; Eaton 8 Zone BiWire Ultra Power Supply Option Board; FRE / FPE / 8 Zonal Relays	Clause 7.8, Clause 7.9.1, Clause 7.10.1 and Clause 10.0

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Model	Manufacturing Location	Description	Applicable Options with Requirements
EFCV8ZONE-xx (See note below)	SG- 15583	Eaton 8 Zone Conventional Fire Panel Comprising of: BiWire Conventional Main Board; Eaton 8-Zone BiWire Ultra Power Supply Option Board; FRE / FPE / 8 Zonal Relays	Clause 7.8, Clause 7.9.1, Clause 7.10.1 and Clause 10.0

Note: 'xx' signifies the language variant of model EFCV8ZONE. The following options are approved:

EFCV8ZONE	(English language variant)
EFCV8ZONE-DE	(German language variant)
EFCV8ZONE-IT	(Italian language variant)
EFCV8ZONE-GR	(Greek language variant)
EFCV8ZONE-PT	(Portuguese language variant)

### Options with requirements evaluated as being compliant (as indicated for each Product Variant as applicable):

Clause 7.8	Output to fire alarm devices
Clause 7.9.1	Control of fire alarm routing equipment; Output to fire alarm routing equipment
Clause 7.10.1	Outputs to fire protection equipment; Output type A
Clause 10.0	Test condition

### Conditions of use:

1. Suitable for indoor applications.
2. The BiWire Ultra Power Supply is housed in the same enclosure as the Control and Indicating Equipment.
3. Models EFBW2ZONE-FLEXI, EFBW4ZONE-FLEXI and EFBW8ZONE-FLEXI, are approved for use with the EOLM-3 BiWire Ultra End-of-Line Module when used in BiWire Mode, the EOLM-1End-of-Line Module when used in Conventional Mode and the EOLR resistor when used in the Intrinsically Safe (I.S.) Mode.
4. Model EFCV8ZONE is approved for use with the EOLM-1End-of-Line Module

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### Batteries:

Approved for use with the following standby batteries (*when fitted within the CIE enclosure*):

Manufacturer	Model	Capacity (Ah)	Nominal Voltage (Vdc)	Batteries Fitted
Yucel	Y5-12	5	12	2
Yuasa	NPH5-12	5	12	2

### General Notes:

1. Evaluated under Intertek project number 102322166, 102891183.
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.