Certificate of Constancy of Performance

0359-CPR-00242

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): **Addressable Input/Output Units**
(refer to attached appendix for details and conditions)

Produced by or for: **Cooper Lighting & Safety Limited**
Wheatley Hall Road, Doncaster, DN2 4NB, United Kingdom

Produced in the manufacturing plant(s): **Cooper Lighting & Safety Limited (COOPLSUK.01)**
Wheatley Hall Road, Doncaster, DN2 4NB, United Kingdom

and

Digital Lighting (Dongguan) Co. Ltd (DIGLIGCN.01)
Xin Min Road, Xin Min District, Changan Town, 523879, Dongguan City, Guangdong Province, China

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):

EN54-17:2005+AC:2007
Fire detection and fire alarm systems – Short-circuit isolators

EN54-18:2005+AC:2007
Fire detection and fire alarm systems – Input/output devices

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued on **15th May 2014** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body. A review of the product(s) and compliant standard(s) will be carried out after 5 years to ensure continued compliance.

Notified Body 0359

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Daniel Griffin
Certification Manager

Date	23/06/2014
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Re-Issue	15/05/2019

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ, United Kingdom

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Appendix to Certificate of Constancy of Performance 0359-CPR-00242

The details and condition of use for the Addressable Input/Output Units placed on the market by:

Cooper Lighting & Safety Limited
Wheatley Hall Road, Doncaster, DN2 4NB, United Kingdom

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 EN54-17:2005+AC:2007 and EN54-18:2005+AC:2007:

Part Number	Manufacturing Location	Description
CMIO353	COOPLSUK.01	Addressable Mains Rated Relay Unit with Short-circuit Isolator
COPMIO	COOPLSUK.01	Addressable Mains Rated Relay Unit with Short-circuit Isolator (Open Protocol)
CIOP8	COOPLSUK.01	Addressable Mimic Relay Board with Short-circuit Isolator (4 Input and 8 Relay Outputs)
CIOP4	COOPLSUK.01	Addressable Mimic Relay Board with Short-circuit Isolator (4 Input and 4 Relay Outputs)
MCIM	DIGLIGCN.01	Addressable Micro Single Channel Input Unit with Short-circuit Isolator
MIU872	DIGLIGCN.01	Addressable Micro Zone Monitor Unit with Short-circuit Isolator
MCOM	DIGLIGCN.01	Addressable Micro Single Channel Output Unit with Short-circuit Isolator
MCOM-R	DIGLIGCN.01	Addressable Micro Single Channel Output Unit with Short-circuit Isolator (5 Second Reset Pulse)
MCOM-S	DIGLIGCN.01	Addressable Micro Single Channel Output Unit with Short-circuit Isolator (Sounder ID, Resets on Reset Only)

Conditions of use:

Suitable for indoor applications

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Appendix to Certificate of Constancy of Performance 0359-CPR-00242 (continued)

Branded Variants

Original Part Number	Alternative Part Number	Branded As	Description
CMIO353	MIO1240	Menvier	Addressable Mains Rated Relay Unit with Short-circuit Isolator
	FXN511	JSB	Addressable Mains Rated Relay Unit with Short-circuit Isolator

General Notes:

1. Evaluated under Intertek project number 101344214.
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.

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Appendix to Certificate of Constancy of Performance 0359-CPR-00242 (continued)

Table of performance for EN54-17:2005+AC:2007

Harmonised technical specification

Essential characteristics	Performance	Clauses	Notes
Performance under fire conditions	Pass	5.2	a
Operational reliability	Pass	4	b, c, d, e, f, g
Durability of operational reliability; temperature resistance	Pass	5.4, 5.5	
Durability of operational reliability; vibration resistance	Pass	5.9 to 5.12	
Durability of operational reliability; humidity resistance	Pass	5.6, 5.7	
Durability of operational reliability; corrosion resistance	Pass	5.8	
Durability of operational reliability; electrical stability	Pass	5.3, 5.13	

Notes:

Applies to Models CMIO353, FXN511, MIO1240, COPMIO, CIOP8, CIOP4, MCIM, MIU872, MCOM, MCOM-R and MCOM-S.These Models also have a declared performance relating to EN54-18:2005+AC:2007.

a. *This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices.*
b. *Clause 4.2 is only applicable if the short-circuit isolator incorporates an integral visual indication of status; an assessment to this clause was therefore not performed.*
c. *Clause 4.3 is only applicable if the short-circuit isolator provides for connections to ancillary devices; an assessment to this clause was therefore not performed.*
d. *Clause 4.4 is only applicable for detachable short-circuit isolators; an assessment to this clause was therefore not performed.*
e. *Clause 4.5 requires use of a special code or tool, or the breaking or removing of a seal; an assessment to this clause was therefore not performed.*
f. *Clause 4.6 is only applicable if there is provision for on-site adjustment of the short-circuit isolator; an assessment to this clause was therefore not performed.*
g. *The manufacturer declared that the short-circuit isolators are not controlled by software; an assessment to Clause 4.9 was therefore not performed.*

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Appendix to Certificate of Constancy of Performance 0359-CPR-00242 (continued)

Table of performance for EN54-18:2005+AC:2007

Harmonised technical specification

Essential characteristics	Performance	Clauses	Notes
Response delay (response time)	-	5.2	a
Performance under fire conditions	-	5.1.4	b
Operational reliability	Pass	5.1.4	
Durability of operational reliability temperature resistance	Pass	5.3, 5.4	
Durability of operational reliability; vibration resistance	Pass	5.8 to 5.11	
Durability of operational reliability; humidity resistance	Pass	5.5, 5.6	
Durability of operational reliability; corrosion resistance	Pass	5.7	
Durability of operational reliability; electrical stability	Pass	5.2, 5.12	c

Notes:

Applies to Models CMIO353, FXN511, MIO1240, COPMIO, CIOP8, CIOP4, MCIM, MIU872, MCOM, MCOM-R and MCOM-S. These Models also have a declared performance to EN54-17:2005+AC:2007.

a. Response delays are not a function of the models as detailed above; an assessment was therefore not made.
b. Performance under fire conditions was not assessed as part of this standard.
c. Clauses 5.12a and 5.12b are only applicable for devices that incorporate a mains supply; these clauses were therefore not assessed.

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