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Certificate of Product Approval

Certificate Number: 681b-(cl-1)

lssue: 11

Tyco Fire & Security GmbH

Victor Von Bruns-Strasse 21 Neuhausen am Rheinfall Schaffhausen 8212 Switzerland

is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

Products

Multisensor Detectors 830PC (516.830.054) 840PH 830PH (516.830.051) FC460PC FC460PH 4098-6257 835PH (516.835.051) 835PC (516.835.054) (refer to Appendix for details)

Standards

EN 54-5:2017 + A1:2018 EN 54-7:2018 CEA 4021:2003

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P. Malligar.	P Halligan	18 January 2024	6 March 2009	
Signed for BRE Global Ltd	Verifier	Date of Issue	Date of First Issue	



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Appendix to Certificate No: 681b-(cl-1)

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Certified Product	Description	LPCB Ref.No.
830PC (516.830.054)	 MX Digital Addressable Photoelectric Smoke, Category P Heat and Carbon Monoxide Detector (4B, 4B-C, 4B-I, and 5B bases) Notes: Approved with the following mode configurations: - UNIV Universal optical smoke, A2S heat, and CO multi-criteria detector RESIL Resilient optical smoke, A2S heat and CO multi-criteria detector Heat detector at Category A1R HPO Heat enhanced optical smoke detector at Normal sensitivity The Carbon Monoxide toxic gas/CCO/CCO+A1R modes and the CO sensor are not approved independently. Also available in the following coloured housings: Orange semi-gloss (517.050.502) Yellow gloss (517.050.503) Green matt (517.050.504) Red matt (517.050.505) Brown matt (517.050.507) Pink gloss (517.050.508) Silver metallic (517.050.509) Gold metallic (517.050.510) Black matt (517.050.511) 	681b/03
840PH	MX Digital Addressable Photoelectric Smoke and Category P Heat Detector (4B, 4B-C, 4B-I, and 5B bases) Note: Approved with the following mode configurations: - - Heat detector at Category A1R - Heat detector at Category A2S	681b/04

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Certified

Product

	 FL OPT Optical smoke detector at High, Normal and Low sensitivity using FastLogic HPO Heat enhanced optical smoke at High, Normal and Low sensitivity FL HPO Heat enhanced optical smoke at High, Normal and Low sensitivity using FastLogic. 	
830PH (516.830.051)	MX Digital Addressable Photoelectric Smoke and Category P Heat Detector (4B, 4B-C, 4B-I, and 5B bases)	681b/05
(310.830.031)	Notes:	
	1. Approved with the following mode configurations: -	
	- Heat detector at Category A1R	
	 Heat detector at Category A2S OPT Optical smoke detector at High, Normal and Low sensitivity 	
	- FL OPT Optical smoke detector at High, Normal and Low sensitivity using FastLogic	
	 HPO Heat enhanced optical smoke at High, Normal and Low sensitivity FL HPO Heat enhanced optical smoke at High, Normal and Low sensitivity using FastLogic. 	
	2) Also available in the following coloured housings:	
	- Orange semi-gloss (517.050.502)	
	- Yellow gloss (517.050.503)	
	- Green matt (517.050.504) - Red matt (517.050.505)	
	- Brown matt (517.050.506)	
	- Blue gloss (517.050.507)	
	- Pink gloss (517.050.508) - Silver metallic (517.050.509)	
	- Gold metallic (517.050.500)	

Description

- OPT Optical smoke detector at High, Normal and Low sensitivity

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Appendix to Certificate No: 681b-(cl-1) Tyco Fire & Security GmbH

LPCB Certified Description Ref.No. Product - Black matt (517.050.511) Simplex Digital Addressable Photo / Heat 830 Series Sensor (4098-5272 base) 4098-6257 681b/05 Notes: 1) Approved with the following mode configurations: -- Heat detector at Category A1R - Heat detector at Category A2S - OPT Optical smoke detector at High, Normal and Low sensitivity - FL OPT Optical smoke detector at High, Normal and Low sensitivity using FastLogic - HPO Heat enhanced optical smoke at High, Normal and Low sensitivity - FL HPO Heat enhanced optical smoke at High, Normal and Low sensitivity using FastLogic. FC460PH FireClass Digital Addressable Photoelectric Smoke and Category P Heat Detector 681b/06 (4B, 4B-C, 4B-I, and 5B bases) Notes: 1) Approved with the following mode configurations: -- Heat detector at Category A1R - Heat detector at Category A2S - OPT Optical smoke detector at High, Normal and Low sensitivity - FL OPT Optical smoke detector at High, Normal and Low sensitivity using FastLogic - HPO Heat enhanced optical smoke at High, Normal and Low sensitivity - FL HPO Heat enhanced optical smoke at High, Normal and Low sensitivity using FastLogic. FC460PC FireClass Digital Addressable Photoelectric Smoke, Category P Heat and Carbon 681b/07 Monoxide Detector (4B, 4B-C, 4B-I, and 5B bases) Notes:

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Certified Product	Description	LPCB Ref.No.
	 Approved with the following mode configurations: - UNIV Universal optical smoke, A2S heat, and CO multi-criteria detector RESIL Resilient optical smoke, A2S heat and CO multi-criteria detector Heat detector at Category A1R HPO Heat enhanced optical smoke detector at Normal sensitivity The Carbon Monoxide toxic gas/CCO/CCO+A1R modes and the CO sensor 	
	are not approved independently.	
835PH (516.835.051)	 Photo Heat Detector (4B, 5B, 4B-I, 4B-C bases) Notes: Approved with the following mode configurations: - Heat detector at Category A1R Heat detector at Category A2S OPT Optical smoke detector at High, Normal and Low sensitivity FL OPT Optical smoke detector at High, Normal and Low sensitivity using FastLogic HPO Heat enhanced optical smoke at High, Normal and Low sensitivity FL HPO Heat enhanced optical smoke at High, Normal and Low sensitivity using FastLogic 	681b/08
	2) Also available in the following coloured housing:- Black matt (517.051.511)	
835PC (516.835.054)	 3oTec Triple Sensor Detector (Smoke, Heat and CO) (4B, 5B, 4B-I, 4B-C bases) Notes: 1) Approved with the following mode configurations: - - UNIV Universal optical smoke, A2S heat, and CO multi-criteria detector - RESIL Resilient optical smoke, A2S heat and CO multi-criteria detector - Heat detector at Category A1R - HPO Heat enhanced optical smoke detector at Normal sensitivity 	681b/09

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Certified Product	Description	LPCB Ref.No.
	2) The Carbon Monoxide toxic gas/CCO/CCO+A1R modes and the CO sensor are not approved independently.	
	3) Also available in the following coloured housing: - Black matt (517.051.511)	

Bases

4B	4" universal mounting base
4B-C	4" continuity base
4B-I	4" isolator base
5B	5" universal mounting base
4098-5272	Standard 4IN Detector Base

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