# LPCB Red Book



# **Part: 1** Fire detection and alarm products, systems & cables



# **VOLUME 1 LIST OF APPROVED PRODUCTS AND SERVICES**

# Introduction

This is a test intoduction from CMS

# Part 1

# Fire detection and alarm products, systems & cables

# FIRE DETECTION AND ALARM PRODUCTS, SYSTEMS & CABLES

This section lists gates that have been certified to LPS 1175 Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers.

#### Introduction to LPS 1175

With much attention being placed on the role of emerging technologies in the fight against crime and terrorism, it is often easy to become detracted from the basics. However, good physical security is the bedrock of effective security. Without the delay to intrusion provided by effective physical security, detection simply tells you the intruder has been and gone. It is therefore always important to ensure suitable physical security measures are in place and that those measures provide sufficient delay to enable the intruder to be detected and a suitable response mounted to apprehend the intruder.

The delay provided by physical security products and systems is typically measured in terms of the tools and time required to achieve entry through those products and systems. These combine to indicate the effort required by an intruder to gain unauthorised access through the physical security barrier.

Using products and systems that achieve a higher rating, or using a layered approach to physical security, can greatly increase the effort an intruder needs to exert to gain entry. That effort extends beyond the physical work required to overcome the physical security barriers. It also includes the effort required to plan and prepare for the attack. The greater the level of planning and preparation a criminal must invest in to conduct a successful attack, the less likely that criminal will consider the return on their investment will be sufficient to warrant attempting that attack.

As the security ratings increase, the size and weight of tools used increases. Using larger, heavier tools increases an intruders likelihood of being detected through natural surveillance. They can also slow down the intruder if they need to carry those tools onto the site being attacked. This also increases the risk to the intruder of being caught. The greater that risk, the less likely the criminal is to conduct the attack in the first instance.

So how do security managers and other specifiers confirm whether a physical security product will afford a suitable delay against the tools and techniques likely to be employed by a determined intruder?

LPS 1175 Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers confirms the resistance to forced entry provided by security products, systems and building materials.

While Issues 6 and 7 specified eight levels of resistance (security ratings), the latest version (Issue 8) defines a performance classification formed of the following two elements:

- Threat level (first element) Letter (A to H) corresponding with the tool kit used to evaluate the products intruder resistance and the number of attackers involved.
- Delay (second element) Numeric value (1, 3, 5, 10, 15 or 20) corresponding with the minimum delay (in minutes) provided by the product when placed in a locked condition.

LPS 1175 covers the broadest scope of forced entry threat scenarios involving intruders that have little regard to the noise they make during attempts to achieve unauthorised access to assets, property and people. It also covers the broadest scope of physical security products and services of any publicly available standard in the world. This includes, but is certainly not restricted to, the following types of product:

· Access covers	Garage doorsets	Security screens
Cladding systems	<ul> <li>Hinged doorsets</li> </ul>	<ul> <li>Sheds and tool stores</li> </ul>
· Containers	· Grilles	· Skylights
Curtain walling systems	· Modular buildings	Sliding doorsets
Enclosures	<ul> <li>Partitioning systems</li> </ul>	· Strongpoints
Entrance portals	Revolving doorsets	· Vehicles
· Fences and gates	Roofing systems	Walling systems
Folding doorsets	Security cabinets	· Windows

The classification system defined in LPS 1175 Issue 8 supports a layered approach to security, enabling the delay provided by products forming each layer of security to be determined against a common threat.

Further information on the security rating system and attack tools can be found in the standard itself, which can be downloaded for free from www.redbooklive.com.

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### **AC Construction Itd**

Wise street, Nottingham, Nottinghamshire, United Kingdom Tel: 23456789 • Alt Tel: 2345678 E-mail: ACconstruction@test.com

Certificate No: CERT 040901 to EN671-1, LPS 1175

1 Jun 2024

#### Test Product 040901

Product Name	LPCB Ref. No.
Prod name 040901	LPCB 040901
Prod name 040902	LPCB 040902
Prod name 050201	LPCB 050201

test

testing1
testing 2

testing 3

#### Certificate No: CERT 052001 to LPS 1175

#### 052001 Prod Grp Desc

Product Name	Description	LPCB Ref. No
Prod name 0520001	Test Tabular Product listing Desc Company assessed and approved for installing or applying passive fire protection products under the following scope:	LPCB 052001
	Appendix 3 - Intumescent coatings to structural elements	
	Test Company assessed and approved for installing or applying passive fire protection products under the following scope:	
	Appendix 1 - Penetration, cavity barrier and linear gap seals	
	Appendix 3 - Intumescent coatings to structural elements	

#### Certificate No: CERT 052003 to LPS 1175

#### 052003

002000											
Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m²)	Vision Panel Glass Type	Vision panel maximum clear view height (mm)	Vision panel maximum clear view width (mm)	Vision panel maximum clear view area (m²)	Fire resistance (min) BS 476: Part 22 Integrity / Insulation Integrity/Insulation	Fire resistance (min) EN 1634-1 2008 Integrity / Insulation	LPCB Ref. No.
ExcluDoor 4	Single- leaf hinged door	2.250	1.050	2.400	-	-	-	-	30 / 0	-	234b/01
ExcluDoor 4 Mk2 FR	Single- leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	-	-	-	180 / 0	180 / 0	234b/02
ExcluDoor 4 Mk2 FR	Single- leaf hinged door	2.350	1.155	2.71	-	-	-	-	240 / 0	240 / 0	234b/02
ExcluDoor 4 Mk2 FR	Single- leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60 / 0	60 / 0	234b/02

test

#### Certificate No: CERT 052005 to LPS 1175

#### 052005 prod arp

Product Name	Door Type (See Certificate Note 1)	Frame Type (See Certificate Note 8)	Door Panel Insulation	Lintel Insulation	Side Posts/Side Panel Insulation	Fire Resistance (Minutes) (EN81-58) (See Certificate Note 7) Intergrity / Insulation	(Minutes) (EN81-58) (See Certificate Note 7) Designed to Satisfy	LPCB Ref. No.
KES800 (insulated)	AMDL1	Narrow Frame	16mm Gipsbifire K	None	None	None	E130	1418c/01
KES800 (insulated)	AMDL1	Front	16mm Gipsbifire K	40mm Paroc Slab for lintel heights up to 195mm, 25mm Insulfrax + 25mm Paroc Slab for lintel heights over 195mm	16mm Gipsbifire K	30/30	E130	1418c/01

Certificate No: CERT alarm centers 1 to EN671-1, LPS 1175 Certificate No: CERT alarm centers 2 to LPS 1209

1 Jun 2024

#### 17 Alarm centers

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17Alarmcenters1/1loremipsumtest lo	oremipsumtesttestingtesting12345//	loremipsumtesttestingtesting12345//	loremipsumtesttestingtesting12345//	loremipsu

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#### Certificate No: EN 3572 to LPS 1175

#### 18 Alarm centers

Product Name	LPCB Ref. No.
18 Alarm centers 1/1	LPCB alarm centers 1
18 Alarm centers 1/2	LPCB alarm centers 2

test alrm centers

#### **AC Construction Itd**

Wise street, Nottingham, Nottinghamshire, United Kingdom Tel: 23456789 • Alt Tel: 2345678 E-mail: ACconstruction@test.com

#### Certificate No: Service active to EN671-1

test

#### **Bipul's Test 2**

Bipul Test 2 - Company address 1, Bhairahawa, Nepal

#### Certificate No: CN2882 to LPS 1175

Test scope

### **Bond Company**

101 Wallstreet, Birmingham, West Midlands, B1 1AY, United Kingdom Tel: 12345678 • Alt Tel: 23456789 E-mail: bondcompany@test.com • Website: Bondcompany.com

#### Certificate No: test to LPS 1175

test				
Product Name	Lorem ipsum dolor sit amet	grade	securityloremipsumdolor::test1234 test :: 12354 - 1245645	LPCB Ref. No.
test	60 50 40 (120) ED (165) 90 50 40 (180) ED (247) 90 40 47.5 (171) 92 42 48.5 (187.4) 120 50 40 (240) ED (330) 120 40 47.5 (228) 122 42 48.5 (248.5) 150 50 40 (300) ED (412)	60 50 40 (120) ED (165) 90 50 40 (180) ED (247) 90 40 47.5 (171) 92 42 48.5 (187.4) 120 50 40 (240) ED (330) 120 40 47.5 (228) 122 42 48.5 (248.5) 150 50 40 (300) ED (412)	1 60 50 40 (120) ED (165) 90 50 40 (180) ED (247) 90 40 47.5 (171) 92 42 48.5 (187.4) 120 50 40 (240) ED (330) 120 40 47.5 (228) 122 42 48.5 (248.5) 150 50 40 (300) ED (412)	test
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# ALARM TRANSMISSION AND FAULT MONITORING EQUIPMENT & SIGNALLING SYSTEMS

LPCB provides certification schemes based on the EN 50131 and EN 50136 series of standards for the components of intrusion and hold-up alarm systems.

LPCB offers certification of alarm transmission equipment to the following standards:

- EN 50136-2 Alarm systems Alarm transmission systems and equipment Part 2: Requirements for Supervised Premises Transceiver (SPT)
- EN 50136-3 Alarm systems Alarm transmission systems and equipment. Part 3: Requirements for Receiving Centre Transceiver (RCT)
- EN 50131-10 Alarm systems Intrusion and hold-up systems Part 10: Application specific requirements for Supervised Premises Transceiver (SPT)

### **AC Construction Itd**

Wise street, Nottingham, Nottinghamshire, United Kingdom Tel: 23456789 • Alt Tel: 2345678 E-mail: ACconstruction@test.com

#### Certificate No: Alarm Transmission CERT 0409 to LPS 1175

#### Alarm Transmission grp 0409

Product Name	LPCB Ref. No.
Alarm Transmission 1/1	LPCB Alarm Transmission 1/1
Alarm Transmission 1/2	LPCB Alarm Transmission 1/2

#### Certificate No: CERT 040901 to LPS 1175

#### Prod grp 040901

Product Name	Description	LPCB Ref. No
test	test	test

test

#### **Bond Company**

101 Wallstreet, Birmingham, West Midlands, B1 1AY, United Kingdom Tel: 12345678 • Alt Tel: 23456789 E-mail: bondcompany@test.com • Website: Bondcompany.com

#### Certificate No: Alarm Cert 0409 to EN671-1

#### Alarm group 0409

Product Name	LPCB Ref. No.
Alarm test 0409-1/1	LPCB Alarm test 0409-1/1
Alarm test 0409-1/2	LPCB Alarm test 0409-1/2

test

#### Test-Company 110201

test line one, London, United Kingdom Tel: 18646376 E-mail: test@gmail.com

#### Customer

Add line one, London, county, gw12-853, United Kingdom

Certificate No: CERT alarm trnsm 01 to EN671-1, LPS 1209

# ALARM TRANSMISSION AND FAULT MONITORING EQUIPMENT & SIGNALLING SYSTEMS

#### Alarm Transmission 0409-00

Product Name	Description	LPCB Ref. No
alarm transmission 0409-02- 01/2	test testingtesting	LPCB alarm
	• test	0409-02-01/2
	∘ test	
	■ test	
	Notes 2:	
	1. Meets the requirements of EN 54-3 at the following tone settings:	
	Tone 1 - Warble Tone 800Hz for 500ms, then 1000Hz for 500ms	
	Tone 2 Continuous Tone, 970Hz	
	Tone 3 Slow Whoop (Dutch), 500-1200Hz for 3500ms, then off for 500ms	

#### Detectors:

20-SG100-ADV Wireless optical smoke detecto 20-SG200-ADV Wireless multi-criteria detector

20-SG350-ADV Wireless heat detector

Ancillaries

Axis-WSM Addressable module with short circuit isolator

#### Auth. Representative

LIne 1\_add, otonro, Afganistan *Email:* re@o.com

#### Customer

Add line one, London, county, gw12-853, United Kingdom

Factory

Add2 line one , line two, London, WES-675, United Kingdom *Email: testfactory@mail.com* 

Certificate No: CERT transmission 0409 to LPS 1209

#### Transmission test 0409

Product Name	LPCB Ref. No.
Transmission 0409/-03	LPCB transmission 0409-03

# ALARM TRANSMISSION AND FAULT WARNING ROUTING EQUIPMENT

# ALARM WARNING DEVICES

# **COMMERCIAL DETECTORS**

# CONTROL AND INDICATING EQUIPMENT

# DOMESTIC ALARMS - SMOKE, HEAT AND CARBON MONOXIDE

Wet Riser

### Test-Company 100401

test, test, GWE345, United Kingdom E-mail: test@test.com • Website: company 100401.com

Certificate No: CERT 101201 to LPS 1175 Certificate No: CERT 101201 to LPS 1175, LPS 1209 Certificate No: CERT 101301 to LPS 1175, LPS 1209

#### Prod grp 101201

Product Name	Description	LPCB Ref. No
Prod Name 101201	Lorem ipsum dolor sit amet. consectetur adipiscina elit. Quisaue tempor finibus odio. in ornare tortor lobortis vel. Pellentesque vitae venenatis metus. Fusce cursus finibus eros. Aliquam fermentum pulvinar tellus. in pharetra arcu mattis non. Etiam euismod, erat vel varius fermentum, quam leo ultrices sem, et condimentum urna lacus sit amet quam. Vestibulum consequat auque et ex interdum consequat. Nam ut cursus eros. ut feuqiat nisi. Pellentesque et neque non orci blandit efficitur sed id quam. Fusce rutrum auctor est, id hendrerit felis egestas in test	LPCB 101201

# FIRE RESISTANT CABLES

# FIRE RETARDANT CABLES

# LINE UNITS

## LPS 1014 CERTIFIED FIRE DETECTION AND ALARM SYSTEM FIRMS

Wet Riser

#### **Bond Company**

101 Wallstreet, Birmingham, West Midlands, B1 1AY, United Kingdom Tel: 12345678 • Alt Tel: 23456789 E-mail: bondcompany@test.com • Website: Bondcompany.com

#### Certificate No: CFA-187 to LPS 1014

Design, install, commissioning & maintenance of fire detection and alarm systems.

#### Certificate No: Test no approval level to LPS 1175

test

# MANUAL CALL POINTS

# PLENUM RATED CABLES

# POWER SUPPLY EQUIPMENT - STANDALONE

# SUPERVISED PREMISES TRANSCEIVERS (FIRE) - LPS 1277

# SUPERVISED PREMISES TRANSCEIVERS (FIRE) - LPS 1277