

## Construction Products Regulations (305/2011/EU – CPR)

### Declaration of Performance – 25990\_00

#### 1. Product: Xtralis VESDA VLF

#### 2. Product Type:

allowing identification of the construction product as required pursuant to Article 11(4)

Models:

VLF-250-xx	250m <sup>2</sup> coverage variant
VLF-500-xx	500m <sup>2</sup> coverage variant
	(where xx indicates the decal language)

French versions:

VLF-250-01NF	250m <sup>2</sup> coverage variant
VLF-500-01NF	500m <sup>2</sup> coverage variant

Options:

VIC-010	VESDAnet network card
VIC-020	Multifunction control card
VIC-030	Multifunction control card

Remote Units:

VRT-100	Remote Programmer
VRT-300	VESDAnet socket
VRT-V00	Remote VLF display unit (with 7 relays)
VRT-W00	Remote VLF display unit (no relays)
VRT-500	Remote relay unit (with 7 relays)
VSR-xxxx	These remote units may be rack mounted

Ancillaries:

E700-FILASSY	In line filter
VSP-850	In line filter

#### 3. Intended use:

Aspirating smoke detectors for use in fire detection and fire alarm systems installed in and around buildings

#### 4. Manufacturer:

Xtralis Pty Ltd  
 4 North Drive, Virginia Park  
 236-262 East Boundary Road  
 Bentleigh East  
 Victoria 3165  
 Australia



For aspirating smoke detectors the following table applies

Harmonised Technical Specification		EN 54-20:2006
Essential characteristics	Performance	Clause
Nominal activation conditions/sensitivity/response delay and performance under fire conditions:		
Response to slowly developing fires	<i>pass</i>	5.6
Repeatability	<i>pass</i>	6.2
Reproducibility	<i>pass</i>	6.3
Fire sensitivity (Class A, B &/or C)	<i>Class A,B &amp; C<sup>(1)</sup></i>	6.15
Operational reliability:		
Individual alarm indication	<i>pass</i>	5.2
Connection of ancillary devices	<i>pass</i>	5.3
Manufacturer's adjustments	<i>pass</i>	5.4
On-site adjustment of behaviour	<i>pass</i>	5.5
Mechanical strength of the pipework	<i>pass</i>	5.7
Components in the sampling device	<i>pass</i>	5.8
Airflow monitoring	<i>pass</i>	5.9
Power supply	<i>pass<sup>(2)</sup></i>	5.10
Data	<i>pass</i>	5.11
Software controlled detectors	<i>pass</i>	5.12
Tolerance to supply Voltage:		
Variation in supply parameters	<i>pass</i>	6.4
Durability of operational reliability:		
Temperature resistance:		
Dry heat (operational)	<i>pass</i>	6.5
Cold (operational)	<i>pass</i>	6.6
Vibration resistance		
Shock (operational)	<i>pass</i>	6.10
Impact (operational)	<i>pass</i>	6.11
Vibration sinusoidal (operational)	<i>pass</i>	6.12
Vibration sinusoidal (endurance)	<i>pass</i>	6.13
Electrical stability:		
Electromagnetic compatibility (EMC), immunity	<i>pass</i>	6.14
Humidity resistance:		
Damp heat, steady state (operational)	<i>pass</i>	6.7
Damp heat, steady state (endurance)	<i>pass</i>	6.8
Corrosion resistance:		
SO <sub>2</sub> corrosion (endurance)	<i>pass</i>	6.9

(1) The class of any pipe/hole configuration and detector sensitivity is determined using ASPIRE2

(2) The detector should be supplied with power from a power supply conforming to EN 54-4