



Chongqing Zorro Alert Technology Co.,Ltd.

No. 300, Shike Road, Nanquan Street, Banan District,
Chongqing, 400056 P.R.China.

DECLARATION OF PERFORMANCE

No. ZR150SW-CB-DoP-001

- 1 Unique identification of the product: Photoelectric Smoke alarm ZR150SW-CB
- 2 Intended use: Residential Fire Safety
- 3 Manufacturer: Chongqing Zorro Alert Technology Co.'Ltd.
No. 300, Shike Road, Nanquan Street, Banan District, Chongqing, 400056 P.R.China.
- 4 Harmonized standard: EN 14604:2005/AC:2008
- Notified body: 1008
- 5 Declared performances:

Essential Characteristics	Performance	Harmonized technical specification
<i>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions ⁽¹⁾</i>		
Smoke alarm signals	PASS	EN 14604:2005/AC:2008 cl 4.12
Inter-connectable smoke alarms	NPD	EN 14604:2005/AC:2008 cl 4.18
Repeatability	PASS	EN 14604:2005/AC:2008 cl 5.2
Directional dependence	PASS	EN 14604:2005/AC:2008 cl 5.3
Initial sensitivity	PASS	EN 14604:2005/AC:2008 cl 5.4
Air movement	PASS	EN 14604:2005/AC:2008 cl 5.5
Dazzling	PASS	EN 14604:2005/AC:2008 cl 5.6
Fire sensitivity	PASS	EN 14604:2005/AC:2008 cl 5.15
Sound output	PASS	EN 14604:2005/AC:2008 cl 5.17
Sounder durability	PASS	EN 14604:2005/AC:2008 cl 5.18
Inter-connectable smoke alarms	NPD	EN 14604:2005/AC:2008 cl 5.19
Alarm silence facility (optional)	PASS	EN 14604:2005/AC:2008 cl 5.20
<i>Operating reliability</i>		
Compliance	PASS	EN 14604:2005/AC:2008 cl 4.1
Individual alarm indicator (optional)	PASS	EN 14604:2005/AC:2008 cl 4.2
Mains-on indicator	NPD	EN 14604:2005/AC:2008 cl 4.3
Connection of external ancillary devices	NPD	EN 14604:2005/AC:2008 cl 4.4
Means of calibration	PASS	EN 14604:2005/AC:2008 cl 4.5
User replaceable components	PASS	EN 14604:2005/AC:2008 cl 4.6
Normal power source	PASS	EN 14604:2005/AC:2008 cl 4.7
Standby power source	NPD	EN 14604:2005/AC:2008 cl 4.8
Electrical safety requirements	PASS	EN 14604:2005/AC:2008 cl 4.9
Routine test facility	PASS	EN 14604:2005/AC:2008 cl 4.10
Terminals for external conductors	NPD	EN 14604:2005/AC:2008 cl 4.11
Battery removal indication	PASS	EN 14604:2005/AC:2008 cl 4.13
Battery connections	NPD	EN 14604:2005/AC:2008 cl 4.14
Battery capacity	PASS	EN 14604:2005/AC:2008 cl 4.15
Protection against the ingress of foreign bodies	PASS	EN 14604:2005/AC:2008 cl 4.16
Additional requirements for software controlled smoke alarms	PASS	EN 14604:2005/AC:2008 cl 4.17
Marking and data	PASS	EN 14604:2005/AC:2008 cl 4.19
Impact	PASS	EN 14604:2005/AC:2008 cl 5.11
Battery fault warning	PASS	EN 14604:2005/AC:2008 cl 5.16
Battery reversal	PASS	EN 14604:2005/AC:2008 cl 5.22
Back-up power source	NPD	EN 14604:2005/AC:2008 cl 5.23
Electrical safety – assessment and testing to determine the adequacy of personal protection against hazardous currents passing through the	PASS	EN 14604:2005/AC:2008 cl 5.24



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human body (electric shock), excessive temperature and the start and spread of fire		
<i>Tolerance to supply voltage</i>		
Variation in supply voltage	PASS	EN 14604:2005/AC:2008 cl 5.21
<i>Durability of operational reliability and response delay, temperature resistance</i>		
Dry heat	PASS	EN 14604:2005/AC:2008 cl 5.7
Cold (operational)	PASS	EN 14604:2005/AC:2008 cl 5.8
<i>Durability of operational reliability: vibration resistance</i>		
Vibration (operational)	PASS	EN 14604:2005/AC:2008 cl 5.12
Vibration (endurance)	PASS	EN 14604:2005/AC:2008 cl 5.13
<i>Durability of operational reliability: humidity resistance</i>		
Damp heat (operational)	PASS	EN 14604:2005/AC:2008 cl 5.9
<i>Durability of operational reliability: corrosion resistance</i>		
Sulphur dioxide (SO ₂) corrosion	PASS	EN 14604:2005/AC:2008 cl 5.10
<i>Durability of operational reliability, electrical stability</i>		
Electromagnetic Compatibility (EMC), immunity tests (operational)	PASS	EN 14604:2005/AC:2008 cl 5.14
⁽¹⁾ The products covered by this standard are assumed to operate, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.		

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Baggio.Lin

General Manager

Chongqing

15-02-2025

重庆卓雷科技有限公司
CHONGQING ZORRO ALERT TECHNOLOGY CO.,LTD.