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DECLARATION OF PERFORMANCE
according to Construction Product Regulation EU N° 305/2011

n° 004DOP2020

1 – *Unique identification code of the product-type:*

MINI-EXFIRE360 – Fire detection and fire alarm panel
EX6EV-C – Electrical automatic control and delay device (optional)
EXREMOTE PANEL – Remote input/output expansion (optional)

2 – *Intended use/es:*

MINI-EXFIRE360
Control and Indicating Equipment with integrated Power Supply Equipment
for use in fire detection and fire alarm systems installed in buildings

EX6EV-C
Electrical automatic control and delay device (e.c.d.) installed in MINI-EXFIRE360 Control and
Indicating Equipment, for use in combination with automatic fire detection and fire alarm
systems and CO₂-, Inert Gas- or Halocarbon Gas-Fire Extinguishing Systems installed in
buildings.

EXREMOTE PANEL
Remote input/output expansion with integrated Power Supply Equipment
for use in fire detection and fire alarm systems installed in buildings

3 – *Manufacturer:*

SV Sistemi di Sicurezza Srl
Via Matteotti, 55/57
24050 – Grassobbio, Bergamo
ITALY

4 – *Authorised representative:*

Not Applicable

5 – *System/s of AVCP:*

System 1

6a – *Harmonised standard:*

EN 54-2:1997+A1:2006
Fire detection and fire alarm systems - Part 2: Control and indicating equipment

EN 54-4:1997+A1:2002+A2:2006
Fire detection and fire alarm systems - Part 4: Power supply equipment

EN 12094-1:2003
Fixed firefighting systems - Components for gas extinguishing systems –
Requirements and test methods for electrical automatic control and delay devices



Notified body/ies:

IMQ ISTITUTO ITALIANO DEL MARCHIO DI QUALITÀ S.p.A. – 0051

Certificate of Constancy of performance:

0051 – CPR – 0551

6b – European assessment document:

Not Applicable

7 – Declared performance/s:

Control and Indicating Equipment

Essential characteristics	Performance	Harmonised technical specification	Clause
<u>Performance under fire conditions</u>			
General requirements	As per specified requirements	EN 54-2:1997+A1:2006	4
General requirements for indications	As per specified requirements		5
The fire alarm condition	As per specified requirements		7
<u>Response delay (response time to fire)</u>			
Reception and processing of fire signals	As per specified requirements	EN 54-2:1997+A1:2006	7.1
Output of the fire alarm condition	As per specified requirements		7.7
Delays to outputs (option with requirements)	As per specified requirements		7.11
Coincidence detection – type C coincidence (option with requirements)	As per specified requirements		7.12
<u>Operation reliability</u>			
General requirements	As per specified requirements	EN 54-2:1997+A1:2006	4
General requirements for indications	As per specified requirements		5
The quiescent condition	As per specified requirements		6
The fire alarm condition	As per specified requirements (including those relating to options with requirements specified for the product)		7



Essential characteristics	Performance	Harmonised technical specification	Clause
Fault warning condition	As per specified requirements (including those relating to options with requirements specified for the product)	EN 54-2:1997+A1:2006	8
Disabled condition	As per specified requirements (including those relating to options with requirements specified for the product)		9
Test condition (option with requirements)	As per specified requirements		10
Standardized input/output interface (option with requirements)	As per specified requirements		11
Design requirements	As per specified requirements		12
Additional design requirements for software-controlled control and indicating equipment	As per specified requirements		13
Marking	As per specified requirements		14
<u>Durability of operational reliability, temperature resistance</u>			
Cold (operational)	As per specified requirements	EN 54-2:1997+A1:2006	15.4
<u>Durability of operational reliability, vibration resistance</u>			
Impact (operational)	As per specified requirements	EN 54-2:1997+A1:2006	15.6
Vibration, sinusoidal (operational)	As per specified requirements		15.7
Vibration, sinusoidal (endurance)	As per specified requirements		15.15
<u>Durability of operational reliability, electrical stability</u>			
Electromagnetic compatibility (EMC), immunity tests (operational)	As per specified requirements	EN 54-2:1997+A1:2006	15.8
Supply voltage variation (operational))	As per specified requirements		15.13
<u>Durability of operational reliability, humidity resistance</u>			
Damp heat, steady state (operational)	As per specified requirements	EN 54-2:1997+A1:2006	15.5
Damp heat, steady state (endurance)	As per specified requirements		15.14



Power Supply Equipment

Essential characteristics	Performance	Harmonised technical specification	Clause
<u>Performance of power supply</u>			
General requirements	As per specified requirements	EN 54-4:1997+A1:2002+A2:2006	4
Functions	As per specified requirements		5
Materials, design and manufacture	As per specified requirements		6
<u>Operational reliability</u>			
General requirements	As per specified requirements	EN 54-4:1997+A1:2002+A2:2006	4
Functions	As per specified requirements		5
Materials, design and manufacture	As per specified requirements		6
Documentation	As per specified requirements		7
Marking	As per specified requirements		8
<u>Durability of operational reliability, temperature resistance</u>			
Cold (operational)	As per specified requirements	EN 54-4:1997+A1:2002+A2:2006	9.5
<u>Durability of operational reliability, vibration resistance</u>			
Impact (operational)	As per specified requirements	EN 54-4:1997+A1:2002+A2:2006	9.7
Vibration, sinusoidal (operational)	As per specified requirements		9.8
Vibration, sinusoidal (endurance)	As per specified requirements		9.15
<u>Durability of operational reliability, electrical stability</u>			
Electromagnetic compatibility (EMC), immunity tests (operational)	As per specified requirements	EN 54-4:1997+A1:2002+A2:2006	9.9
<u>Durability of operational reliability, humidity resistance</u>			
Damp heat, steady state (operational)	As per specified requirements	EN 54-4:1997+A1:2002+A2:2006	9.6
Damp heat, steady state (endurance)	As per specified requirements		9.14



Electrical automatic control and delay device

Essential characteristics	Performance	Harmonised technical specification	Clause
<u>Response delay (response time)</u>	As per specified requirements	EN 12094-1:2003	4.8
<u>Operational reliability</u>			
Functional requirements	As per specified requirements (including those relating to options with requirements specified for the product)	EN 12094-1:2003	4
Design requirements	As per specified requirements		5
Additional design requirements for software controlled e.c.d.s.	As per specified requirements		6
<u>Performance parameters under fire conditions</u>			
Signal processing and indication	As per specified requirements	EN 12094-1:2003	4.3
Reception and processing of input triggering signals	As per specified requirements		4.4
Transmission of extinguishing signal	As per specified requirements		4.5
Activation of alarm devices	As per specified requirements		4.6
<u>Durability</u>	As per specified requirements	EN 12094-1:2003	9

The performance of the product identified above is in conformity with the set of declared performance/s. 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:

Fabio Massimo Turani

Fabio M. Turani
 Technical Department
 Grassobbio, Bergamo
 06th July 2020