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Declaration of performance

№ 217/2023

1. ***Unique identification code of the product-type:***
   Model number and Description:

   Natron MCP - Wireless addressable fire alarm manual call point Type A

   Approved Accessories:
   n/a

   Harmonized Product Type(s):
   Manual call points
   Components using radio links

2. ***Intended use/es:***

   Fire detection and fire alarm systems installed in and around buildings

3. ***Manufacturer***
   Teletek Electronics JSC
   2 Iliyansko shose Str, 1220 Sofia, Bulgaria

4. ***Authorized representative:***
   Teletek Electronics JSC
   2 Iliyansko shose Str, 1220 Sofia, Bulgaria

5. ***System(s) of AVCP***

   System 1

6. ***Harmonized Standard(s)***
   EN 54-11:2001
   EN 54-11:2001/ A1:2005
   EN 54-25:2008
   EN 54-25:2008/AC:2010
   EN 54-25:2008/AC:2012

   Notified body/ies:

   Fire Certification and Inspection Ltd. (Notified Body 2918)

TELETEK

7. *Declared performance*

Essential characteristics	Clauses in EN 54-11:2001 EN 54-11:2001/ A1:2005	Regulatory classes	Performance
Nominal activation conditions/ Sensitivity and Performance under fire conditions:		Type A	
Alarm condition	4.3.2		Transfer from the normal condition to the alarm condition was achieved for type A manual call points by the following: 1) breaking the frangible element; 2) displacing the frangible element as a result of the breaking; or 3) displacing the frangible element without breaking, together with changing the appearance of the operating face The transfer was easily recognizable by the change in the appearance of the operating face.
Indicators for alarm condition	4.4		For type A: the alarm condition was indicated by the condition of the frangible element as specified in 4.3 (page 8 in the Standard)
Safety aspects	4.7.1		Corners and edges of the manual call points are rounded to reduce the possibility of injury, but the radius of curvature was not exceeding 0,05 a (see Table 1, page 10 in Standard)
Protection against accidental operation	4.7.4		NA*
Operational performance test	5.2		The frangible element was subjected to a horizontal force increasing at a rate not exceeding 5 N/s until it reaches (22,5 ± 2,5) N. This force was maintained for 5 s then released at a rate not exceeding 5N/s. The position where this force was subjected is the center point between the arrows.
Function test	5.3		No fault signal was given during the test; When reset in accordance with the manufacturer's instructions, the specimen has returned to its normal condition.
Operational reliability:			
Marking and data	4.2		The marking is visible during installation of the manual call point and is accessible during maintenance. The markings are not placed on screws or other easily removable parts
Frangible element	4.3.1		Transfer from the normal condition to the alarm condition was achieved and was easily

			recognizable by the change in the appearance of the operating face.
Reset facility	4.5.		Resetting is only possible after operation by means of a special tool as follows. a) For non-resettable frangible elements by inserting a new element b) For resettable frangible elements by resetting the frangible element
Test facility	4.6		When installed the manual call point is equipped with a facility to carry out routine testing. The operation of the test facility can only be possible using a special tool.
Shape, dimensions and colors	4.7.2		The front face of the manual call point is approximately square. A tolerance of ±5 % may be applied where not otherwise specified. The manual call point design makes it capable of being mounted, in accordance with the manufacturer's instructions, with the front face at least 15 mm proud of the surrounding surface.
Symbols and lettering	4.7.3		Height of the symbol is al least 0.15a and the height of the lettering is not exceeding the height of the symbol. Markings other than company logo or contact address are restricted to 25% of the area of the operating face. The total area for marking other than symbols and letterings on the front face and operating face is not greater than 5 % of the area of the front face or operating face.
Environment category	4.7.5		Tested in accordance with the specified environmental category as given in the test schedule in Table 2 (page 17 in the Standard)
Additional requirements for software controlled manual call points	4.8		Site-specific data is held in memory which will retain data for at least two weeks without external power to the manual call point, unless provision is made for the automatic renewal of such data, following loss of power, within 1 h of power being restored.
Test facility test (operational)	5.4		An alarm signal is given in accordance with 5.1.5 (page 16 in the Standard) when the test facility has been operated. No fault signal is given during the test. When reset in accordance with the manufacturer's instructions, the specimen is returning to its normal condition.
Reliability test (endurance)	5.5		The operating element is activated and reset 250 times. The specimen is checked visually for any damage.
Durability of operational reliability			
Temperature resistance:			

Dry heat (operational)	5.7		Temperature, °C: Indoor use: 55 ± 2 Outdoor use: 70 ± 2 Duration, h: 16 The specimen is monitored during the conditioning period to detect any alarm or fault signals No alarm or fault signal is given during the conditioning period.
Dry heat (endurance)	5.8		N/A
Cold (operational)	5.9		Temperature, °C: Indoor use: -10 ± 3 Outdoor use: -25 ± 3 [a] Duration, h: 16 [a] For countries with special cold conditions (-40 ± 3) °C The specimen is monitored during the conditioning period to detect any alarm or fault signals No alarm or fault signal is given during the conditioning period.
Vibration resistance:			
Shock (operational)	5.14		For specimens with a mass M 4,75 kg the test conditions in Table 10 (page 28) were applied. No test is applied to specimens with a mass M > 4,75 kg. No alarm or fault signal is given during the conditioning period or the additional 2 min.
Impact (operational)	5.15		Impact energy, J: 1,9 ± 0,1 Hammer velocity, m s^{-1}: 1,5 ± 0,13 Number of impact positions: 2 Number of impacts per position: 1 No alarm or fault signal is given during the conditioning period or the additional 2 min.
Vibration, sinusoidal (operational)	5.16		Frequency range, Hz: 10 to 150 Acceleration amplitude, m s^{-2}: 5 (±0,5 g_n) Number of axes: 3 Sweep rate, octave min^{-1}: 1 Number of sweep cycles per axis: 1 No alarm or fault signal is given during the conditioning period or the additional 2 min.
Vibration, sinusoidal (endurance)	5.17		Frequency range, Hz = 10 to 150 Acceleration amplitude, m s^{-2}: 5 (±0,5 g_n) Number of axes: 3 Sweep rate, octave min^{-1}: 1 Number of sweep cycles per axis: 20

TELETEK

			No alarm or fault signal attributable to the endurance, conditioning was given on connection of the specimen.
Humidity resistance:			
Damp heat, cyclic (operational)	5.10		Lower temperature, °C = 25 ± 3 Relative humidity (lower temperature), % > 95 Upper temperature, °C Indoor use: 40 ± 2 Outdoor use: 55 ± 2 Relative humidity (upper temperature), % Number of cycles: 2 No alarm or fault signals was given during the conditioning period.
Damp heat, steady state (endurance)	5.12		Temperature, °C: 40 ± 2 Relative humidity, %: 93 ± 3 Duration, d: 21 No fault signal attributable to the endurance conditioning was given on connection of the specimen
Damp heat, cyclic (endurance)	5.11		N/A
Cold (operational)	5.19		N/A
Corrosion resistance:			
SO_2 corrosion (endurance)	5.13		Sulfur dioxide content, $cm^3 m^{-3}$ [a]: 25 ±5 Temperature, °C: 25 ±2 Relative humidity, % : 93 ± 3 Duration, d: 21 [a] Corresponding to ppm per volume in IEC 60068-2-42:1982. No fault signal attributable to the endurance conditioning was given on connection of the specimen.
Electrical stability:			
Variation of supply parameters	5.6		No alarm or fault signals was given during the conditioning period. After the specimen has been reset there was no alarm or fault signal.
Electromagnetic compatibility (EMC) (operational)	5.18		No alarm or fault signals was given during the conditioning period

*NA – not applicable

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Essential characteristics	Harmonized technical specification EN 54-25:2008, EN 54-25:2008/AC:2010, EN 54-25:2008/AC:2012	Performance
Performance parameters under fire conditions:	4.1, 4.2.2, 5.2, 8.3.7	PASS
Response delay (reaction time to fire):	8.2.3, 8.2.6	PASS
Operational reliability:	4.2.1, 4.2.3 to 4.2.7, 5.3, 5.4	PASS
Documentation and marking	6, 7	PASS
System tests	8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8, 8.2.9, 8.3.1, 8.3.3, 8.3.4, 8.3.5, 8.3.6	PASS
Durability of operational reliability, Temperature resistance:	8.3.9 to 8.3.11	PASS
Durability of operational reliability, Vibration resistance:	8.3.16 to 8.3.19	PASS
Durability of operational reliability, Humidity resistance:	8.3.12 to 8.3.14	PASS
Durability of operational reliability, Corrosion resistance:	8.3.15	PASS
Durability of operational reliability, Electrical stability:	8.3.20	PASS

8. *Online Display Location*

This document can be viewed online at https://teletek-electronics.com/

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:

1220 Sofia,
2, Iliyansko shose str.
26.06.2023

Yuliy Iliev
Quality Manager

TELETEK ELECTRONICS JSC * ТЕЛЕТЕК ЕЛЕКТРОНИКС АД * SOFIA СОФИЯ