

UL-EU CERTIFICATE

Certificate No. UL-EU-01156-CPR
Page 1/5
Date of Issue 2020-11-11

Certificate Holder UniPOS Ltd.
47 San Stefano Str.
Pleven city
Bulgaria 5800

Manufacturer UniPOS Ltd.
47 San Stefano Str.
Pleven city
Bulgaria 5800

Certified Product Type Heat detectors – Point Heat Detectors
Product Trade Name FD 8020R Conventional Rate of Rise Heat Detector
FD 8020S Conventional Static Heat Detector

Trademark



Rating/Classification See Appendix

Harmonised Technical Specifications EN54-5:2017 + A1:2018
Supporting Documentation S36102-D01-European Directive-Original
Additional information NA
Expiry date 2030-11-11

A handwritten signature in purple ink, appearing to read "Chris Miles", is located in the bottom left corner of the page.



Authorized Certification Decision Maker
Chris Miles

This is to certify that representative samples of the Certified Product listed above have been investigated by Underwriters Laboratories to the Standard(s) indicated on this Certificate, in accordance with the UL Global Services Agreement and the UL-EU Mark Service Terms and Conditions ("Agreement"). The Certificate Holder is entitled to use the UL-EU Mark for the Certified Product listed on the certificate and manufactured at the production site(s) listed, in accordance with the terms of the Agreement. Only those products bearing the UL-EU Mark for Europe should be considered as being covered by UL's UL-EU Mark Service. This Certificate shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01156-CPR
Page 2/5
Date of Issue 2020-11-11

This certificate relates to the use of Point Heat Detectors in fire detection and fire alarm systems installed in buildings. The detailed scope is given in pages 3 to 5 of this Certificate.

The product is certificated on the basis of:

- i) S36102-D01-EuropeanDirective-Original
- ii) Inspection and surveillance of factory production control by UL



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01156-CPR
 Page 3/5
 Date of Issue 2020-11-11

Essential Characteristics for FD 8020R and FD 8020S	Performance	Standard
Heat Response Categories	Pass	EN54-5:2017 + A1:2018
Position of heat sensitive elements	Pass	EN54-5:2017 + A1:2018
Individual alarm indication	Pass	EN54-5:2017 + A1:2018
Connection of ancillary devices	Pass	EN54-5:2017 + A1:2018
Monitoring of detachable detectors	Pass	EN54-5:2017 + A1:2018
Manufacturer's adjustments	Pass	EN54-5:2017 + A1:2018
On-site adjustment of response behaviour	Pass	EN54-5:2017 + A1:2018
Software controlled detector (when provided)	Pass	EN54-5:2017 + A1:2018
General	Pass	EN54-5:2017 + A1:2018
Directional dependence	Pass	EN54-5:2017 + A1:2018
Static response temperature	Pass	EN54-5:2017 + A1:2018
Response times from typical application temperature	Pass	EN54-5:2017 + A1:2018
Response times from high ambient temperature	Pass	EN54-5:2017 + A1:2018
Reproducibility	Pass	EN54-5:2017 + A1:2018
Additional test for suffix S detectors	Pass	EN54-5:2017 + A1:2018
Additional test for suffix R detectors	Pass	EN54-5:2017 + A1:2018
Variation in supply parameters	Pass	EN54-5:2017 + A1:2018
Cold (operational)	Pass	EN54-5:2017 + A1:2018
Damp heat, cyclic (operational)	Pass	EN54-5:2017 + A1:2018
Damp heat, steady state (endurance)	Pass	EN54-5:2017 + A1:2018
Sulphur dioxide (SO ₂) corrosion (endurance)	Pass	EN54-5:2017 + A1:2018
Shock (operational)	Pass	EN54-5:2017 + A1:2018
Impact (operational)	Pass	EN54-5:2017 + A1:2018
Vibration sinusoidal (operational)	Pass	EN54-5:2017 + A1:2018
Vibration sinusoidal (endurance)	Pass	EN54-5:2017 + A1:2018
EMC, Immunity (operational)	Pass	EN54-5:2017 + A1:2018
Marking, labelling, and packaging	Pass	EN54-5:2017 + A1:2018



Appendix UL-EU CERTIFICATE

Certificate No. UL-EU-01156-CPR
Page 4/5
Date of Issue 2020-11-11

Conventional Rate of Rise Heat Detector – Model FD 8020R and Conventional Static Heat Detector– Model FD 8020S

Technical Data

Operating Voltage Nominal:	24VDC (as powered by CIE)
Operating Voltage Maximum:	30VDC
Operating Voltage Minimum:	10VDC
Alarm Current:	8mA/10VDC; 25mA/30VDC
Quiescent Current:	80 μ A/22.5VDC
Category – Model FD 8020R:	A2R
Category – Model FD 8020S:	A2S



Appendix UL-EU Certificate

Certification Mark	UL-EU mark
Certificate No.	UL-EU-01156-CPR
Page	5/5
Date of Issue	2020-11-11

The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



The minimum height of the registered trademark symbol® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number are also required on that same label or nameplate. If cast, stamped or molded, the Manufacturer's name or trademark and model number shall also appear elsewhere on the product.

All content shall be in accordance with the details provided on this UL-EU Certificate.

PROCUREMENT

The Production site may reproduce the Mark or obtain it from a UL authorized supplier. The list of UL authorized suppliers can be found on UL's online directory at www.ul.com.

