UNIT ASSESSMENT CERTIFICATE

1.

Issued by a competent body in explosion safety

2.

ARTIDOR 24ATEX9999 X

3. We, Artidor Explosion Safety B.V., Emopad 38, 5663 PB Geldrop, The Netherlands, herewith declare that:

4. **Apparatus:**   **Explosion-safe Occupancy Sensor**
   Type: **AR-024/xxx**
   Supply: **110 - 240 VAC, 50 / 60 Hz**
   Quantity: **1 piece**
   Lot No.:   **AS249999**

5. has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to directive 2014/34/EU.

6. Compliance with the Essential Health and Safety Requirements for group II, category 3GD equipment has been assured by compliance with the following harmonized standards:

   - **EN 60079-0:2018**
   - **EN 60079-7:2015 / A1:2018**
   - **EN 60079-18:2015 / A1:2017**
   - **EN 60079-31:2014**

7. The design and the results of the examination and tests carried out are documented in confidential technical construction file No. AS249999, held at the offices of Artidor Explosion Safety B.V.

8. If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to the specific conditions for use as described in this declaration.

9. The marking of the equipment includes the following:

   II 3 G Ex ec mc IIC T6 Gc
   II 3 D Ex mc tc IIIC T80°C Dc

10. This certificate only relates to the examination and tests according to directive 2014/34/EU and to the equipment of the above mentioned type, lot number and Ex code.

11. Production is controlled by the Artidor Quality Assurance system in accordance with ISO 9001:2015 and annex VIII of directive 2014/34/EU.

12. This certificate does not imply that the apparatus meets all statutory requirements in any particular industry or circumstance.

13. The ambient temperature allowed is -25 °C to +50 °C.

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14. Description
    The AR-024 Occupancy Sensor is placed on top of a metal housing containing eight connection terminals. The housing is provided with explosion-safe Ex e certified IP67 cable glands.

    After assessment and testing we have found that the Occupancy Sensor meets the requirements of increased safety "ec", encapsulation "mc" and protection by enclosure "tc".

    Throughout the prescribed tests, which were carried out under the requisite conditions, the housing surface temperature at no time exceeded the maximum temperature related to the T6 temperature class, corrected for the maximum ambient temperature specified in the rating and the 5 ºC margin for type testing as mentioned in the standard.

15. **Specific conditions for use**
    1. Apply a protective fuse of a suitable rating in the power circuit.
    2. The enclosure may not be opened if the AR-024 Occupancy Sensor is energized.

Geldrop, 1 February 2024

M. Moolenaar
Managing Director and EX Authorized Person