

Declaration of Conformity

(According to EN/ISO/IEC 17050-1)

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Manufacturer's Name: N-Tron Corporation

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Hereby, N-TRON Corporation declares that these industrial Ethernet devices are in compliance with the essential requirements and other relevant provisions of Directive 94/9/EC.

Conforming Devices

Industrial Ethernet Switches Series: 102, 104, 105, 106, 108, 109, 110, 111, 112, 114, 116, 308, 309, 316, 317, 508, 509, 516, 517, 524, 526, 708, 709, 710, 711, 712, 713, 714, 716, 1002, 1003, 1005, 7010, 7012, 7018 and 7026(DC only).

Protection Method

102MC/MCE, 104, 105(TX/FX/M12), 106, 108(TX/M12), 116, 308(FX), 309, 316, 317, 508(TX/FX), 509, 516, 517, 524, 526, 708(M12), 716(M12), 1002, 1003 and 1005 is non-sparking, "nA".  II 3 G Ex nA IIC Gc

109, 110, 111, 112, 114, 708(TX/FX), 709, 710, 711, 712, 713, 714, 716(TX/FX), 7010, 7012, 7018(TX/FX) and 7026(DC only) is non-sparking and sealed device, "nA nC".  II 3 G Ex nA nC IIC Gc

Temperature Range (Temp. Codes T4 ≤ 135°C and T4A ≤ 120°C)

105TX-SL(T4A), 116(T4), 308(FX)(T4), 309(T4), 316(T4), 317(T4), 508(TX/FX)(T4), 509(T4), 516(T4), 517(T4), 524(T4), 526(T4), 708(TX/FX)(T4A), 716(M12)(T4A), 1002(T4A), 1003(T4A), 1005(T4)

-40°C ≤ Tamb < 85°C

102MC/MCE(T4A), 104(T4A), 105(TX/M12)(T4A), 109(T4), 110(T4), 111(T4), 112(T4), 114(T4), 708(M12)(T4A), 7026(DC only)(T4)

-40°C ≤ Tamb < 80°C

105(FX)(T4A), 106(T4A), 108(TX/M12)(T4A), 716(TX/FX)(T4A), 709(T4), 710(T4), 711(T4), 712(T4), 714(T4), 7010(T4), 7012(T4), 7018(TX/FX)(T4A)

-40°C ≤ Tamb < 70°C

Installation Instructions (Refer to Installation Manual)

This equipment shall be mounted in an ATEX Zone 2 certified enclosure with a minimum ingress protection rating of at least IP54 (as defined in EN 60529) and used in an environment of not more than Pollution Degree 2 (as defined in EN 60664-1) when applied in Zone 2 environments. These enclosures shall only be accessible by means of a tool, by service personnel. The end user shall provide bonding means as necessary. All bonding equipment (components) shall be evaluated according to EN 60079-15:2010.

Standards of Conformance:

The products herewith comply with the requirements of Directive 94/9/EC– Equipment or Protective System intended for use in Potentially Explosive Atmospheres.

Explosive Atmospheres

EN 60079-0:2012, Electrical Apparatus for Explosive Gas Atmospheres
EN 60079-15:2010, Construction, Test and Marking of Type “n” Apparatus

Notified Body

UL International Demko A/S
Lyskaer 8, P.O. Box 514
DK-2730 Herlev, Denmark

Type Examination Certificate No: DEMKO 03 ATEX 0316686U

A handwritten signature in black ink, appearing to read 'J Maynard', enclosed within a large, loopy oval shape.

Mr. John Maynard
Regulatory Manager