

CERTIFICATE OF COMPLIANCE

Certificate Number E364384
Report Reference E364384-20140430
Issue Date 2020-MAY-15

Issued to: NIDEC INDUSTRIAL SOLUTIONS
243 TUXEDO AVE
BROOKLYN HEIGHTS, OH, 44131-5508 USA

This is to certify that representative samples of COMPONENT - TELEMETERING EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS
See Addendum Page

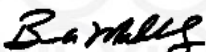
Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: See Addendum Page
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standards for Safety:

Standard No. ANSI/ISA 12.12.01, 2013, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

Standard No. CAN/CSA C22.2 No. 213-M1987, 1st Ed. Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

UL 508 "Industrial Control Equipment", Seventeenth Edition

Canadian National Standards C22.2 No. 142-M1987 "Process Control Equipment
USR, CNR: Incremental Encoders for use in Class I, Division 2, Groups A, B, C, and D Hazardous Locations.

Products Covered:

"Thinline" Encoders Series - Model XR, followed by either 56A, 56S, 67A, 85A, or 115; followed by 1 or 2; followed by any three-digit combination of letters and numbers; followed by R; followed by any two-digit combination of letters and numbers; followed by either A, B, C, D, E, F, J, K, S, T, U or V; followed by any three-digit combination of letters or numbers.

"45" Encoder Series - Model XR, followed by 45 or 4F; followed by any five-digit combination of numbers and letters; followed by R; followed by either A, B, C, D, J, and K; followed by any five-digit combination of letters and numbers.

"Smartach" Sensor Series - Model XR, followed by either 5, 12, or 97; followed by R; followed by any single letter or number; followed by either A, B, E, F, J, K, S, T, U, V; followed by any three-digit combination of letters and numbers.

"Smartach Modular" Encoder Series - Model XR, followed by 850 or 125; followed by any three-digit combination of numbers and letters; followed by R or X; followed by any single letter or number; followed by R or X; followed by any single number or letter; followed by either A, B, E, F, H, J, S, T, U, V; followed by any three-digit combination of numbers and letters.

"Smartach Shafted" Encoder Series – Model XR, followed by 485 or 685; followed by C or N; followed by any two-digit combination of letters or numbers; followed by R or X; followed by any single letter or number; followed by R or X; followed by any single number or letter; followed by either A, B, E, F, H, J, S, T, U, V; followed by any three-digit combination of numbers and letters.



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