EC Declaration of Conformity

The undersigned, representing the manufacturer

Rockwell Automation, Inc.
2 Executive Drive
Chelmsford, MA 01824
USA

and the authorised representative established within the Community

Rockwell Automation European Headquarter SA/NV
Vorstlaan/Boulevard du Souverain 36 – BP 3A/B
B-1170 Brussels
Belgium

herewith declare that the Products: **DC Powered Inductive Proximity Sensors**

Product identification (brand and catalogue number/part number):

Allen-Bradley 871C Series
(reference the attached list of catalogue numbers)

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are in conformity with the essential requirements of the following EC Directive(s) when installed in accordance with the installation instructions contained in the product documentation:

2004/108/EC	*EMC Directive*

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and that the standards and/or technical specifications referenced below have been applied:
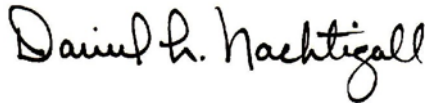
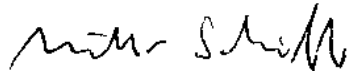|	
EN 60947-1:2007	*Low-voltage switchgear and controlgear – Part 1: General rules*
EN 60947-5-2:2007	*Low voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches*

Manufacturer:

Authorised Representative in the Community:

Signature
Name: Daniel L. Nachtigall
Position: Supv – Product Certification Engineering
Date: 20-Aug-2009

Signature
Name: Viktor Schiffer
Position: Engineering Manager
Date: 02-Sep-2009

Catalogue number	Series [1]	Description
871C-xxxxxx		*Inductive proximity sensor with brass or stainless steel barrel per Nomenclature*
871C-xxxx		*Inductive proximity sensor with plastic barrel per Nomenclature*
871C-N30V50		*Inductive proximity sensor, puck style, 30mm sensing distance, N.O. NPN sink output, 50mm diameter sensing head, unshielded cable connection*

1) If no series number is given, then all series are covered

MODEL NOMENCLATURE:

871C Series Sensors with Plastic Face / Nickel-Plated Brass or Stainless Steel Barrel

871C	-	D	1	NN	8	-	E2
1		2	3	4	5		6

1	Designates Product Type 871C – Inductive proximity sensor, cylindrical
2	Sensor Type D – Threaded barrel DE – Extended sensing range, threaded barrel DH – Short, threaded barrel DM – Smooth barrel DT – Extended temperature range, threaded barrel M – Threaded barrel MM – Smooth barrel
3	Designates Nominal Sensing Distance 1 – 0.6...1.5mm 8 – 8mm 2 – 2mm 10 – 10mm 3 – 3mm 14 – 14mm 4 – 4mm 15 – 15mm 5 – 5mm
4	Designates Output Configuration AP – Analogue output BP – Complementary output w/N.C. and N.O. outputs CN – N.C., NPN sink CP – N.C., PNP source M – NAMUR (DIN 19 234) NE – N.O., sink or source NN – N.O., NPN sink NP – N.O., PNP source
5	Designates Sensor Barrel Diameter 3 – 3mm 8 – 8mm 4 – 4mm 12 – 12mm 5 – 5mm 18 – 18mm 7 – 6.5mm 30 – 30mm
6	Designates Termination Type A* – 2 wire cable AP* – Pico QD connector with lead D* – Micro QD connector E* – 3 wire cable U* – 3 wire cable (extended temperature sensors only) N* – Mini-change connector P* – Pico QD connector * Note - All designations are followed by a number for cable length (in meters) or number of connector pins

MODEL NOMENCLATURE (Cont):

871C Series Sensors with Plastic Face / Plastic Barrel

871C	-	P	8	R	18
1		2	3	4	5

1	Designates Product Type 871C – Inductive proximity sensor, cylindrical
2	Designates Output Configuration J – N.C., NPN sink K – N.C., PNP source N – N.O., NPN sink P – N.O., PNP source
3	Designates Nominal Sensing Distance 1 – 0.6...1.5mm 8 – 8mm 2 – 2mm 10 – 10mm 4 – 4mm 15 – 15mm 5 – 5mm
4	Designates Cable Shielding Construction R – No shield S – Shielded
5	Designates Sensor Barrel Diameter 3 – 3mm 8 – 8mm 4 – 4mm 12 – 12mm 5 – 5mm 18 – 18mm 7 – 6.5mm 30 – 30mm