786 Pitts Chapel Road
Elizabeth City, NC 27909
(252) 331-2080 phone
(252) 331-1666 fax
www.motionsensors.com

EU Declaration of Conformity

Manufacturer: Motion Sensors Inc., 786 Pitts Chapel Rd, Elizabeth City, NC 27909

Equipment: Explosion Proof pickups

Designation/Model: RF75-xxx, DR75-xxx, H75-xxx, HD75-xxx, PC75-xxx
PC75-xxx, DM75-xxx, HM75-xxx, HN75-xxx
MR75-xxx, MS75-xxx, PC45-xxx, RF10-xxx

Note: "xxx" in Model Number may be any combinations of numbers and characters representing specific options.

Marking: MOTION SENSORS INC
ELIZABETH CITY, NC 27909
YY75-XXX
SERIAL #: YEAR OF CONSTRUCTION:
Ex II 2 G
Ex d IIC T6 to T2*
LCIE 11 ATEX 3029 X
IECEx LCI 11.0012 X
$xx^oC \leq Ta \leq xx^oC$

*See drawing for specific product to confirm temperature class, as some products are only suitable up to T4 depending upon epoxy used.

This declaration of conformity is issued under the sole responsibility of the manufacturer. We hereby declare that the product, which is subject of this declaration, is in conformity with the following standards.

Directive	**Standards**
ATEX Directive 2014/34/EU: *Equipment and protective systems intended for use in potentially explosive atmospheres*	BS EN IEC 60079-0:2018*; EN 60079-1:2014*
EU-Type Examination Certificate	LCIE 11 ATEX 3029 X; IECEx LCI11.0012 X

*MSI has performed internal assessment for EN 60079-0 (2006) to EN 60079-0:2012+A11-2013 revision; EN 60079-0:2012+A11-2013 to BS EN IEC 60079-0:2018 revision; and EN 60079-1 (2007) to EN 60079-1:2014; there is no impact upon product.

Marcus Updyke
Director of Engineering
Motion Sensors, Inc.

SIGNED: 8/5/2026

EU-Type Examination Certificate & IECEX Certificate issued by:
Laboratoire Central Des Industries Electriques
Avenue du General-Leclerc 33
F-92266 Fontenay-aux-Roses
(Notified Body Number: 0081)

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Notes:

1. The equipment may be used with flammable gases and vapors for use indoors or outdoors in hazardous locations Ex d IIA through IIC, and with temperature classes T2, T3, T4, T5 and T6.

2. Installation of this equipment shall be carried out by suitably trained personnel, in accordance with the applicable code of practice.

3. Inspection and maintenance of this equipment shall be carried out by suitably trained personnel, in accordance with the applicable code of practice.

4. Grounding and bonding: provision for internal grounding is not required, as grounding shall be provided by metallic conduit. If non-metallic conduit is used an internal ground is required.

   Internal ground must be factory installed and this requirement must be specified when the equipment is ordered.

   If armored cable is used the cable shield and/or drain will be bonded either to the cable gland or to the housing as the factory installed grounding provision.

   Grounding must be in accordance with applicable code of practice.

5. To ensure the maximum threads of engagement, if a sealing washer is used, the maximum washer thickness is 1.5mm.

6. Refer to certification and part label for the Tamb range. Some products are only suitable up to T4 depending upon epoxy used. Marking for those parts will be different.

7. Flameproof joints are not intended to be repaired.

8. The surface of joints may be protected against corrosion. Coating with paint or powder coat is not permitted.

9. Corrosion inhibiting grease may be applied to joint surfaces prior to assembly. The grease shall be of a type that does not harden because of aging, does not contain an evaporating solvent, and does not cause corrosion of the joint surfaces.

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Special Conditions for Safe Use

Threaded flameproof enclosure entries shall only be mated with certified connectors that are approved for the specific application and type of protection.

Product filled in with epoxy resin:

Emerson & Cuming, Epoxies Inc. or Equal Stycast 2651-40 or Stycast 2850 FT		
Catalyst	**Ambient Temperature**	**Temperature Class**
17M-1	-20 ≤ Ta ≤ +70°C	T6
	-20 ≤ Ta ≤ +85°C	T5
	-20 ≤ Ta ≤ +120°C	T4
	-20 ≤ Ta ≤ +185°C	T3
	-20 ≤ Ta ≤ +200°C	T2
9	-40 ≤ Ta ≤ +70°C	T6
	-40 ≤ Ta ≤ +85°C	T5
	-40 ≤ Ta ≤ +100°C	T4
11	-55 ≤ Ta ≤ +70°C	T6
	-55 ≤ Ta ≤ +85°C	T5
	-55 ≤ Ta ≤ +120°C	T4
	-55 ≤ Ta ≤ +125°C	T3
24LV	-65 ≤ Ta ≤ +70°C	T6
	-65 ≤ Ta ≤ +75°C	T5

WARNING: Do not separate when energized.