

EC DECLARATION OF CONFORMITY

According to EMC Directive 89/336/EEC

Koyo Electronics Industries Co., Ltd.

(Name of Company)

1-171 Tenjin-cho, Kodaira-shi, Tokyo, 187-0004 JAPAN

(Address)

Incremental Rotary Encoder

(Kind of Product)

TRD-MX Series

(Type Designation)

JAPAN

(Country of Origin)

This declaration conforms to the following standard.

Generic standard EMC

EN61000-6-2:2001

/EN61000-4-3:2002,A1:2002

EN61000-4-4:2004

EN61000-4-6:1996,A1:2001

EN61000-4-8:1993,A1:2001

Date to begin affixing CE Marking: January 10, 2006

We, Koyo Electronics Industries Co., Ltd. declare under our sole responsibility that the product to which this declaration relates is in conformity with the standard listed.

Note: This declaration will become invalid if any modification or repair is performed to the encoders without Koyo's permission.

K. Kon

Tokyo/ February 23, 2012

(Place and date issued)

Katsuhiko Kon, Manager of Sensor Engineering Division.

(Name and signature as well as position of declaring)

Koyo Ref. No.EA-0082-1

2). **Applicability**

The following tests were not carried out and the reason is described as bellow.

EN61000-6-4:2001

**Electromagnetic compatibility-Generic emission standard
Part 1 : Residential ,commercial and light industry**

This test is not carried out, because no noise sources such as oscillating and switch circuit exist in TRD-MX encoders.

EN61000-6-2:2001

a. Electrostatic Discharge Test EN61000-4-2

This test is not carried out, because no operation switches and buttons will be touched by hands.

b. Surge Test EN61000-4-5:1995

This test is not carried out due to following reasons.

- Cable length is less than 30m.
- TRD-MX encoders are used solely in an electrical environment where an over voltage (primary and secondary) protection is provided.

c. Voltage Dips and Interruptions Test EN61000-4-11:2004

This test is not carried out, because TRD-MX encoders were DC power operated equipment.

Low Voltage Directive 73/23/EEC EN61010-1 (2001)

Because TRD-MX encoders are designed with supply voltage under

TRD-MX_A: 13.2V DC,
TRD-MX_B: 26.4V DC,
TRD-MX_V: 5.25V DC,

the requirement of 75V DC or more is beyond application.

1). TRD-MX Series

■ Sample model: TRD-MX200A

The same circuit is used for all types of the TRD-MX_A series, although disk varies with encoder resolution.

■ Sample model: TRD-MX200B

The same circuit is used for all types of the TRD-MX_B series, although disk varies with encoder resolution.

■ Sample model: TRD-MX200V

The same circuit is used for all types of the TRD-MX_V series, although disk varies with encoder resolution.

TRD-MX series model

TRD-MX□A or AD

TRD-MX□B or BD

TRD-MX□V or VD