

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-2E (~2500) Series

TRDA-2E (~2500) 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

EN61000-4-4:1995,A1:2001

EN61000-4-6:1996,A1:2001

EN61000-4-8:1993,A1:2001

Date to begin affixing CE Marking: December 7, 2001

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.



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-0062-2

2). Applicability

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

EN50081-2

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-2E and TRDA-2E 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-2E and TRDA-2E encoders are used solely in an electrical environment where an over voltage (primary and secondary) protection is provided.

c. Voltage Dips and Interruptions Test EN61000-4-11:1994

This test is not carried out, because TRD-2E and TRDA-2E encoders were DC power operated equipment.

Low Voltage Directive 73/23/EEC EN61010-1 (1993)

Because TRD-2E and TRDA-2E encoders are designed with supply voltage under

TRD(A)-2E_A(D): 13.2V DC,

TRD(A)-2E_B(D): 26.4V DC,

TRD(A)-2E_V(D): 5.25V DC,

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

1). TRD-2E(~2500) Series
TRDA-2E(~2500) Series

• Difference of the model are as follows.

(model : supply voltage , output form)

TRD(A)-2E□A : 4.5V DC ~ 13.2V DC, Open collector output

TRD(A)-2E□B : 10.8V DC ~ 26.4V DC, Open collector output

TRD(A)-2E□V : 4.75V DC ~ 5.25V DC, Line driver output

■ Sample model: TRD-2E100A, TRD-2E60B, TRD-2E100B, TRD-2E100V

TRD-2E series model

TRD-2E(~2500)A

TRD-2E(~2500)B

TRD-2E(~2500)V

TRDA-2E series model

TRDA-2E(~2500)A or AD

TRDA-2E(~2500)B or BD

TRDA-2E(~2500)V or VD