

Ref: T127 – Rev 10 – March 02

Introduction

The products below have been certified by the Institut Scientifique de Service Public under Certificate No. ISSeP97D.101.226X.

The products will be identified by the code EEX ia 11c T4.

The apparatus has been found to comply with the harmonised standards:-

EN 50014 (1977) + amendments 1 to 5 (NBN C23-001 1st ed. Of 1979 + add 1 to 4)
 EN 50020 (1977) + amendments 1 to 5 (NBN C23-001 1st ed. Of 1979 + add 1 to 4)

These indicators may be used with other Intrinsically Safe Instruments. Typical applications include use in hazardous areas encountered in the chemical, hydrocarbon and petroleum industries.

To provide energy transfer protection from a break in the external circuit, the indicators have an internal limiting circuit comprising two pairs of diodes connected in parallel opposition across the movement coil. They are approved for circuits in which the maximum fault current does not exceed 660mA.

<u>Model</u>	<u>Bezel Size</u>	<u>Scale Length</u>	<u>Type No</u>	<u>Publications</u>
New World	110x110mm	165mm	077-11	SWCAT
Unifix	129x129mm max 194mm	057-11		SWCAT
Unifix	181x181mm max 286mm	058-11		SWCAT

<u> RATINGS</u>	<u> Nom. Resistance</u>	<u> Inductance</u>
0-1mA	350 ohms	10mH
0-2mA	80 ohms	2.5mH
0-5mA	20 ohms	400µH
0-10mA	11 ohms	100µH
0-20mA	4 ohms	50µH
4-20mA	4 ohms	50µH

MAXIMUM FAULT CURRENT 660mA

- Accuracy Class Index : 1.5 is standard. Class 1.0 available on request
- Enclosure Code : IP54 Splashproof
- Ambient temperature : Calibrated for 23°C they can be used in range - 10°C to 60°C. Calibration for other ambience on request.

Special scales, colours, zones or segments are available.
 No other variation is permitted.

Key to Intrinsically Safe Product Code

EEX ia 11C T4

EEX= Apparatus for potentially hazardous atmosphere
 ia = Intrinsic Safety For use in Europe Zone 0,1 & 2.

The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, Tyco Electronics has no control over the field conditions, which influence product installation. It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. Tyco Electronics' only obligations are those in Tyco Electronics' standard Conditions of Sale for this product and in no case will Tyco Electronics be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products. Crompton is a trade mark.



Tyco Electronics UK Limited
Crompton Instruments

Freebournes Road, Witham, Essex, CM8 3AH, UK
 Phone: +44 1376 509 509 Fax: +44 1376 509 511

<http://energy.tycoelectronics.com>