Kitemark™ Certificate

This is to certify that:

Bes A Elektrik ve Elektronik San.
ve Tic. LTD. STI.
No:105 Kat:2
Çengeldere Mah. Çengeldere Cad.
Çavuşbaşı - Beykoz/Istanbul
Istanbul (Asia Side)
34830
Turkey

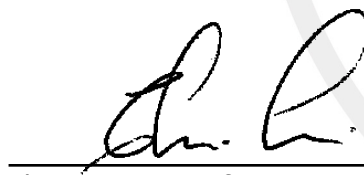Holds Certificate Number: KM 722511

In respect of:

BS EN 62034 Automatic Test Systems
Automatic test systems for battery powered emergency escape lighting

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI: Chris Lewis - Certification Director, Product Certification

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Latest Issue: 2020-10-16   Expiry Date: 2023-10-15

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Kitemark™ Certificate

No. KM 722511

Automatic Test System for Battery Powered Emergency Escape lighting to BS EN 62034:2012

ELCO automatic test system

BSI test reports 3119802, 3119803 and 3119816.

The system is classified as PERC, Class II, Normal use.

General product information

The ATS system comprises 3 parts, The ELCO panel, ELCO routers and Emergency luminaires.

Ratings
    230 V AC, 50/60 Hz, 10.5 W, 85 mA (ELCO-PN01) – Independent, Recess mounted
    230 V AC, 50/60 Hz, 7.5 W, 65 mA (ELCO-RT01) – Built-in, DIN rail mounted

System limits:
    A total of 16 ELCO routers (ELCO-RT01) can be connected to each ATS Panel (ELCO-PN01).
    Each router can address a maximum of 128 (64x2 DALI A/B) luminaires, for a system total of 2048 Luminaires.

Maximum cable runs:
    ELCO-PN01 RS485 I/P to ELCO-RT01 RS485 I/P: 1200 m max.
    ELCO-RT01 RS485 O/P to Cascaded/Next ELCO-RT01 RS485 I/P: 1200 m max.
    ELCO-RT01 DALI 1/2 to LUMINAIRE DALI I/P: 300 m max. (Using 1.5 mm2 cable)

Specified cables sizes:
    Mains input: 0.5 – 2.5 mm2 CSA
    RS485: LI2Y(St)CY-PiMF Grade Recommended
    DALI: 0.5 – 1.5 mm2 CSA

The ATS panel has a full colour LED screen and is touch sensitive for controlling the information on the screen and selecting actions and commands.

The Routers have single LED to indicate fault status, and activity on the RS485, DALI 1 and DALI 2 lines.

The ATS panel has terminals for: Mains input, RS485, 10/100/1000 Mbps Ethernet LAN and a USB.

The routers have terminals for: Mains input, RS485 x2, DALI 1, DALI 2 and accessible 4-way DIP Switch for setting the addressing of the router.

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ELCO automatic test system (continued)

For software versions see report 3119802 page 5.

The ELCO system is designed to work only with Beş A brand TUNA-L/DALI, SOMON-XLED2/DALI, RINA/DALI and TETRA-PW3/DALI emergency luminaires from Kitemark Certificate KM 661723.

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