

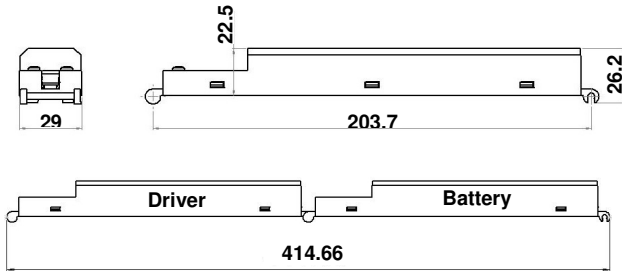
INSTALLATION INSTRUCTIONS TYKE203

Refer to website www.philippayne.co.uk for specific data

Description

An LED driver and battery pack in an articulated plastic housing, connected via a 500mm wiring loom to the lamp head assembly, which contains the high power white LED and indicator LED for emergency use only.

Luminaire Dimensions (mm)



Specification

Supply Voltage	230Vac \pm 10% 50/60 Hz
Supply Current	30mA max
Ambient Temperature	0°C to +35°C
Max Case Temp (Tc)	70°C
Conductor size	0.5 – 1.5mm ²
Mounting Screws	M4
Weight of Control Gear	240g (incl. battery)
Weight of Lamp head	80g
Average Lumen Output	150lm
IP Rating of Luminaire	IP30
IP Rating of TYKA & TYKC	IP65 below ceiling

Batteries

The luminaire includes a 2.2Ah rechargeable NiMH battery pack for 3 hour operation. Batteries must be replaced when the luminaire no longer meets 3 hours duration.

Relevant Standards

EN 61347-2-7	Lamp control gear
EN 60598-2-22	Luminaire
BS5266-1:2005/IEC62034	Automatic Testing

Warranty

This product is guaranteed for three years and covers faulty workmanship and materials. The guarantee on the NiMH batteries is one year. This "Return to Base" warranty requires that the product is used within the terms and conditions stated above, in our literature and on our website. Products returned to us under warranty must be carriage paid. Philip Payne Ltd. Accept no liability for costs incurred.

IMPORTANT

Please ensure that the information contained in this leaflet is passed on to the user/maintenance engineer.

Electrical Installation

Luminaires comply with the EMC directive in both modes of operation, mains and emergency. The battery lead should be connected only at the time of commissioning.

When the mains supply and battery lead are connected, the white cover should be screwed into place to protect from electric shock. Remove the end cover, to attach L&N. (For Maintained versions a switched live feed is required.)

IMPORTANT

Mark the luminaire with the date of commissioning in the space provided on the label.

Operation

The luminaire automatically tests the performance of the emergency luminaire in accordance with BS5266-1:2005 and IEC62034.

Automatic Operation - Commissioning Test

Connection of the mains supply will initiate commissioning where the battery will remain on charge for an uninterrupted 24 hours. An interruption of the mains supply will reset the counter to zero. After 24 hours the luminaire will be put into a duration test for the rated period, immediately followed by another 24hr charge period.

If the mains supply is to be interrupted for more than 7 days, then the battery MUST be disconnected.

Functional Test

A 30 second functional test is carried out at 30 day intervals. This test can also be initiated manually by switching the mains supply OFF/ON twice within 5 seconds.

Duration Test

A full rated duration test is carried out automatically at yearly intervals.

Note that start times of the tests are set automatically to ensure random testing of the units.

LED Indicator

A bi-colour LED indicates the status of the module as follows:

Green	10 second 'pulse'	Normal standby mode
	Slow flash	Commission mode or Duration Test in progress
	Fast flash	Functional Test in progress
Red	Slow flash	Charging or battery fault
	Fast flash	Lamp fault

Note: Slow flash = 0.5Hz, Fast flash = 2.5Hz

Audible Alarm

An audible alarm will sound if a fault is found during test and will continue to give 3 beeps every 35 minutes until the fault is rectified and the unit is reset.

User Reset Facility

A recorded fault condition may be cleared by switching the permanent supply OFF/ON twice within 5 seconds. A Functional Test is then carried out automatically to verify correct system operation.

Potential-Free Contact Option (TYK# P variants - ONLY)

NC (normally closed) terminals are provided for connection to a remote monitoring system (contacts open in the event of an alarm).

Contact Rating 24V ac or dc, 20mA
Max ON Resistance 3 Ohms

Dali Communications Option (TYK# D variants ONLY)

This allows two-wire DALI communication between the luminaire and a central monitoring system.

IMPORTANT

NC terminals are not SELV rated and must not be connected to SELV circuits. Wiring to the "NC" terminals must be in accordance with mains wiring and isolation

INSTALLATION

