

# Wiring Devices Technical

## – Logic Plus™

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### 2 Gang Switchsocket Outlet with Integrated Dual USB Ports - 1x Type C and 1x Type A

#### Standards and approvals

Complies with BS1363-2:2016.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.

#### TECHNICAL SPECIFICATION

##### ELECTRICAL

**INPUT VOLTAGE AND FREQUENCY**  
220-240V a.c. 50/60Hz

**OUTPUT VOLTAGE**  
5V d.c.

**OUTPUT CURRENT**  
3.0A

**OUTPUT POWER**  
15.0W

**AVERAGE ACTIVE EFFICIENCY**  
84%

**LOW LOAD EFFICIENCY**  
76.5%

**NO LOAD POWER CONSUMPTION**  
0.035W

**CURRENT RATING**  
13A  
Combined total 3A drawn from USB outlets

**TERMINAL CAPACITY**  
Live, neutral & earth  
3 x 2.5mm<sup>2</sup>, 3 x 4mm<sup>2</sup>, 2 x 6mm<sup>2</sup> (stranded)

##### PHYSICAL

**AMBIENT OPERATING TEMPERATURE**  
0°C to +40°C

**IP RATING**  
IP2XD

**MAX. INSTALLATION ALTITUDE**  
2000 metres



Part numbers: K2745WHI, K2745GRA

#### Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of Logic Plus including - safety and quick install.

#### FEATURES

##### USB Ports

- Can charge Type A and C devices at up to 2A and 3A respectively
- USB outlets are designed to provide optimum charging compatibility across a wide range of devices
- Differing manufacturers devices can be charged simultaneously via the two USB outlets
- If two devices are connected to USB outlets the total rated current of 3A is divided between the two outlets
- If the total charging current exceeds the rated level of 3A then the device will enter a current limiting safety mode
- Electronically protected against an overload or short circuit on either USB outlet

##### Switchsocket

- 3 pin operated safety shutter on 13A socket outlets
- Dual earthed for added user safety
- Backed out and captive terminal screws
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Printed terminal markings on dark rear mouldings for clearer identification
- Switch contacts with silver contacts on both surfaces for good continuity
- Moulded 'on' indicator flash on switches will not rub off – totally safe

#### Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

MINIMUM BOX DEPTH	BOX DEPTH FOR EXTRA WIRING SPACE
25mm*	35mm
RECOMMENDED BOXES	
862ZIC	Flush 25mm
886ZIC	Flush 35mm
K2142WHI	Surface 30mm
*For compliance to BS1363, use either a minimum 35mm backbox or the K1000 pattress with a 25mm backbox	

Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.

- Made from urea formaldehyde which has inherent antimicrobial properties
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours:
  - MRSA – >99.99%
  - Klebsiella Phaeomonia – >99.99%
  - E.Coli – >99.99%
  - Listeria – >99.99%
  - Salmonella – >99.99%
  - S.Aureus 6538p – >99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – >99.99%



#### Dimensions (mm)

