

DATASHEET

40E2USBM-VW

Dual port USB Charger Mechanism

Application

The dual port, USB charging mechanism has been designed to eliminate bulky chargers by providing a universal charging solution whilst freeing up socket outlets. Providing two dedicated independent ports that optimise charging whilst monitoring the temperature of the device to ensure internal components don't overheat. This patented technology has the added advantage that enables the mechanism to be installed into harsh temperature environments.

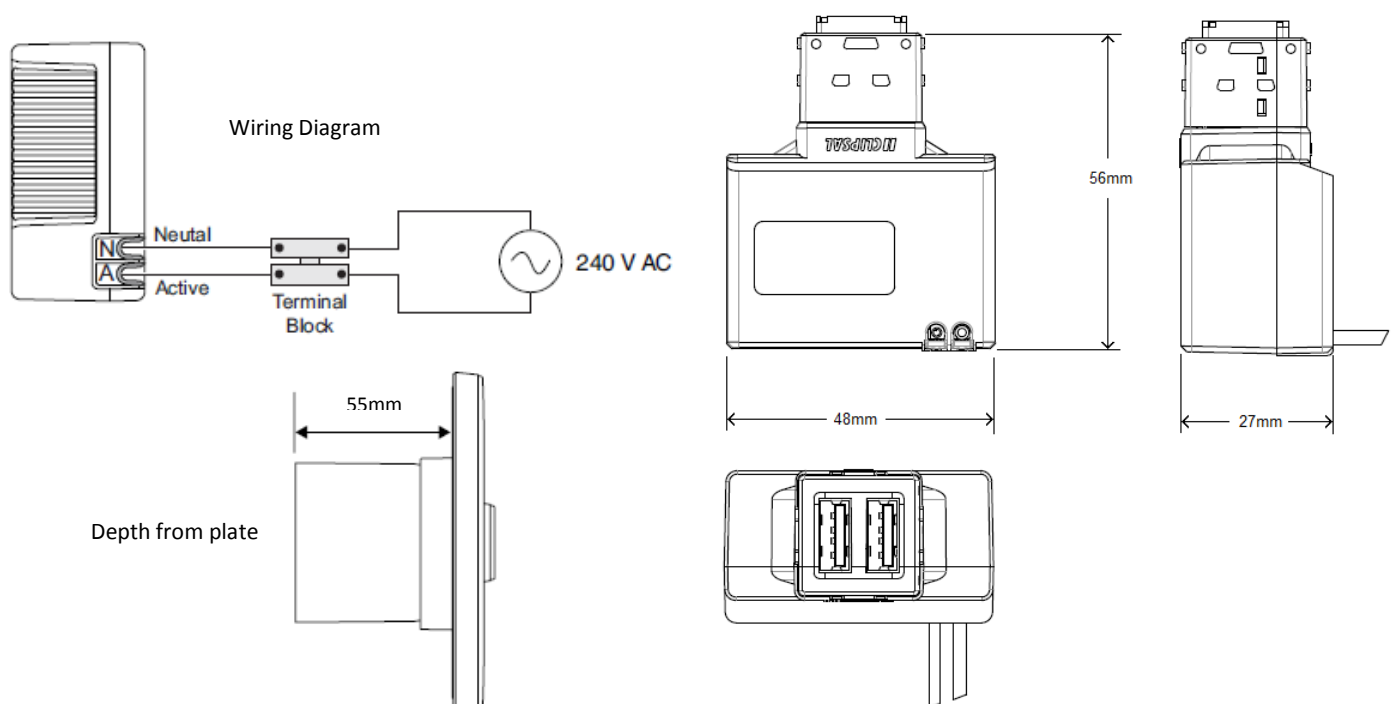
The charging mechanism also includes a patented rotating head so that correct orientation of the outlets can be provided in both horizontal or vertical plates. The charger fits perfectly into the iconic single, double or quad power outlets and can be accommodated in a deep wall box or standard mounting bracket.

Multiple chargers can be mounted into a single wall plate eliminating the need for a power board or the manufacturer's original supplied charger. These energy-efficient USB Charger Mechs are compatible with both Apple® and Android™ devices, and use less than 0.07W of power while in Standby mode.



Features

- 2.1A per port in a single mechanism (3.1A max)
- Fits into vertical and horizontal, single twin and quad power outlets.
- Over temperature current management (windback)
- Rotating head for correct orientation
- Individual port control with BC1.2 and cable compensation capabilities on each port



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Specifications

Input Voltage:	220-240V ac 50hz
Output Voltage:	5V dc
Output Current:	Max 2.1A per port (Max 3.1A for the module)
Standby Power	<70mW
Efficiency:	>78%
Charging:	BC1.2, cable compensation & Smartcharge
Operating Temperature:	0°-45° C
Ambient Operating Humidity:	5% ~ 90% Relative Humidity, Non-Condensing
Storage Temperature:	0°-60° C
Storage Humidity:	5% ~ 90% Relative Humidity, Non-Condensing
USB Connection type:	2 x USB A-Type
Input Connections	120mm flyleads, 22 AWG (0.64mm dia, 0.33mm ²) terminal block supplied
IP Rating:	IP20 Indoor Use Only
Rotating head angle:	180°
Lifetime insertion of USB	10,000 cycles
Protection:	Short circuit, Over Current and Over Temperature (self regulates output current)
Depth from rear of plate:	55mm (suits deep wall boxes)
Plate compatibility:	Suitable for 40 Mech compatible wall plates (e.g. Iconic). Not suitable for 30 series apertures.

Ordering details

Catalogue No.	Description
40E2USBM-VW	Dual port 3.1A, USB charging mechanism (Note - Supplied with a Vivid White (VW) cap)
Accessories	
40E2USBCAP-VW	Dual Port USB Cap- Vivid White (pk 5)
40E2USBCAP-WY	Dual Port USB Cap- Warm Grey (pk 5)
40E2USBCAP-CY	Dual Port USB Cap- Cool Grey (pk 5)
40E2USBCAP-AN	Dual Port USB Cap- Anthracite (pk 5)



40E2USBCAP-VW

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