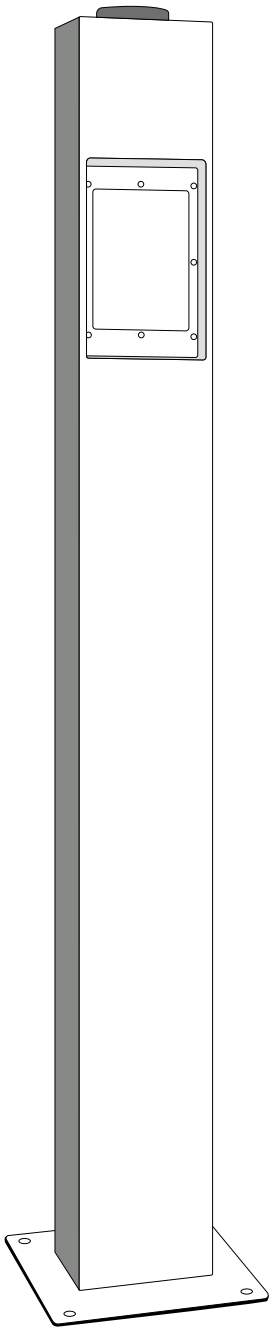
SIGMA

Payment Terminal Kiosk Stand



Installation and Operation Manual

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Copyright

Pre-Installation Notes

Thank you for purchasing a Charge-m8® Payment Terminal Kiosk Stand.

Please read the installation and operating instructions carefully, to ensure correct installation and configuration, and a trouble-free experience.

This device must be installed in compliance with BS EN 61851, IET Wiring Regulations (BS 7671); the recommendations of the IET Code of Practice for Electric Vehicle Charging Equipment Installations (as amended); Electricity Safety, Quality and Continuity Regulations, Building Regulations Part P and all other applicable standards.

The device is not intended for end-user service or maintenance. The unit should only be opened by a qualified Charge-m8® engineer or approved installer, the opening of the unit by any other person will invalidate the manufacturer's warranty.

This manual is intended as a guide, and all reasonable effort has been made to ensure the accuracy of the information contained herein at the time of publishing. At all times installers should reference their local electrical regulations, in particular guidance on the installation of EV charging equipment and qualifications required.

Installer guidance for specific functions and commissioning are available on request. You must provide your OZEV installer number and/or proof of qualifications.

Once installed, be sure to register your device with us, to ensure prompt after-sales service.

If you have any queries regarding Charge-m8® charging equipment, please contact us.

WARRANTY

Charge-M8 Limited provide a 3 year manufacturers warranty from the date of purchase.

Technical support can be obtained by contacting the customer team on sales@charge-m8.com or calling +44 333 242 3328

Signed on behalf of Charge-M8 Limited:

Name: Iain Hughes

Position: Technical Director

Date: 7th May 2024

1. Introduction

a. Product Type

The Charge-m8® Sigma payment terminal kiosk stand is designed exclusively for use with a compatible payment terminals from manufacturers including Payter, Nayax, CPI and Worldline. Please see our website for more information on compatible payment terminal models.

With OCPP platform integration, the payment terminal is mounted to the Sigma stand and provides a single payment solution for multiple charging points.

The Charge-m8® Sigma is supplied with a terminal block connection, pre-wired power supply unit and a hi-gain 4G anti-vandal antenna.

b. Product Appearance

c. Box Contents

1. Sigma Payment Terminal kiosk
2. Expanding bolt floor fixings x 4
3. Installation & Operating Manual

d. Sigma Specification

Please note the data provided below is for the Sigma payment terminal kiosk stand and does not include information on your chosen payment terminal. For information on the payment terminal please refer to the manufacturers instructions.

PMT Panel Mount Power Supply	
Model Number	PMT-24V50W1A
Input Voltage Range	85-264 Vac
Output Voltage	Output Voltage: 12 Vdc ± 2%
Output Current	2.1 A (50 W Max)
Environmental Testing	-10°C to +70°C
Certifications	CB, CE, UKCA, UL/cUL Recognized, IEC 60950-1, IEC 62368-1, UL-US-2014213-0

4G Anenna	
Model	YEMN117L1B 4G
IP Rating	IP67 & IP69K
Impact Rating	IK09
Band	Ultra wide band 4G 450-2700MHz (Backward compatible 3G, 2g, LTE Cat M and narrowband IoT (NB-IoT)
Connector	SMA Male
Certifications	RoHS & REACH compliant. UL746c f1 & UL94 V-0

Enclosure	
Enclosure Material	Hot dipped galvanised powder coated steel
Colour	Anthracite Grey - RAL: 7016

Environmental	
Operating Temperature	-10°C to +70°C (Derating above 50°C)
Humidity	5% to 95% RH (Non-Condensing)
Altitude	0 to 5000 meters (16,400 ft)
Vibration Resistance	IEC 60068-2-6, 5-500 Hz, 2.09 Grms
Shock Resistance	IEC 60068-2-27, 50G for 11 ms

Compliance
Meets PAS 1899 Electric vehicles - Accessible charging guidance

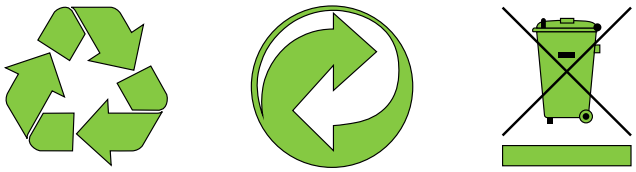
e. Storage, Transportation & Recycling

The Sigma packaging is designed for transit, however as with any electrical appliance, care should be taken to avoid excessive handling and potential damage to the case or internal components.

Care should be taken whilst unpacking the Sigma to ensure all components are present, and no damage is visible to the unit.

Packaging should be recycled where facilities exist.

End of life electrical equipment should be disposed of in compliance with The Waste Electrical and Electronic Equipment (WEEE) Regulations (2013)



2. Installation

a. Before You Start

Check the proposed location for the installation complies with Building Regulations Part P , the DLB device must be installed in compliance with BS EN 61851, IET Wiring Regulations (BS 7671); the recommendations of the IET Code of Practice for Electric Vehicle Charging Equipment Installations (as amended); Electricity Safety, Quality and Continuity Regulations, and all other applicable standards.

If not being installed by a Charge-m8® engineer, the installer must be suitably qualified and hold verifiable certification for the installation of EV charging equipment, and be authorised by Charge-m8 as an approved installer.

The Charge-m8 Sigma requires a 6A 3 core 1mm supply.

Depending upon the supply cable installation parameters, suitable protection of the correct type and model to fit in compliance with the existing electrical supply equipment maybe required to protect the supply cable to the device (not supplied).

Ensure that all appropriate tools used during the installation have been insulated / grounded to prevent accidental short circuit or personal injury.

Under no circumstances should the Charge-m8® Sigma be amended or have any parts connected to it without the manufacturers consent. To do so will invalidate the manufacturer's warranty.

b. Safety Notice

Electrical equipment contains high voltage current, care must be taken to ensure your personal safety. Always follow the manufacturers operating instructions.

Contact Charge-m8® after-sales support for assistance if the unit displays fault warnings and/or fails to operate correctly.

Avoid unnecessarily disconnecting the power supply when the device is running normally.

c. Installation Guide

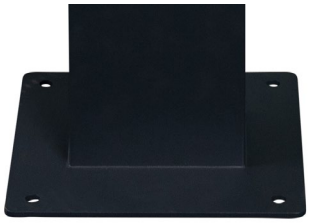
Remove the 10 screws from the rear cover to expose the electrical connections.

i. Supply Connection

A 6A 1mm supply cable should be used to connect the Sigma stand with suitable circuit protection (not supplied). The cable can be rooted through the base opening of the Sigma stand and up to the terminals ready for connection.

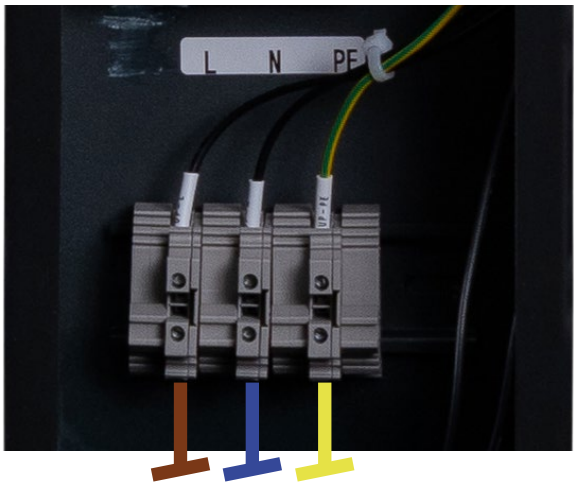
ii. Standard Floor Fixing

The Sigma stand should be fixed to a suitable, solid floor substrate. This should be sufficient in strength to allow the four supplied fixings, or other suitable fixings to firmly hold and ensure the stand remains rigid in position.



iii. Connection

The supply feed can be terminated into the connection block.



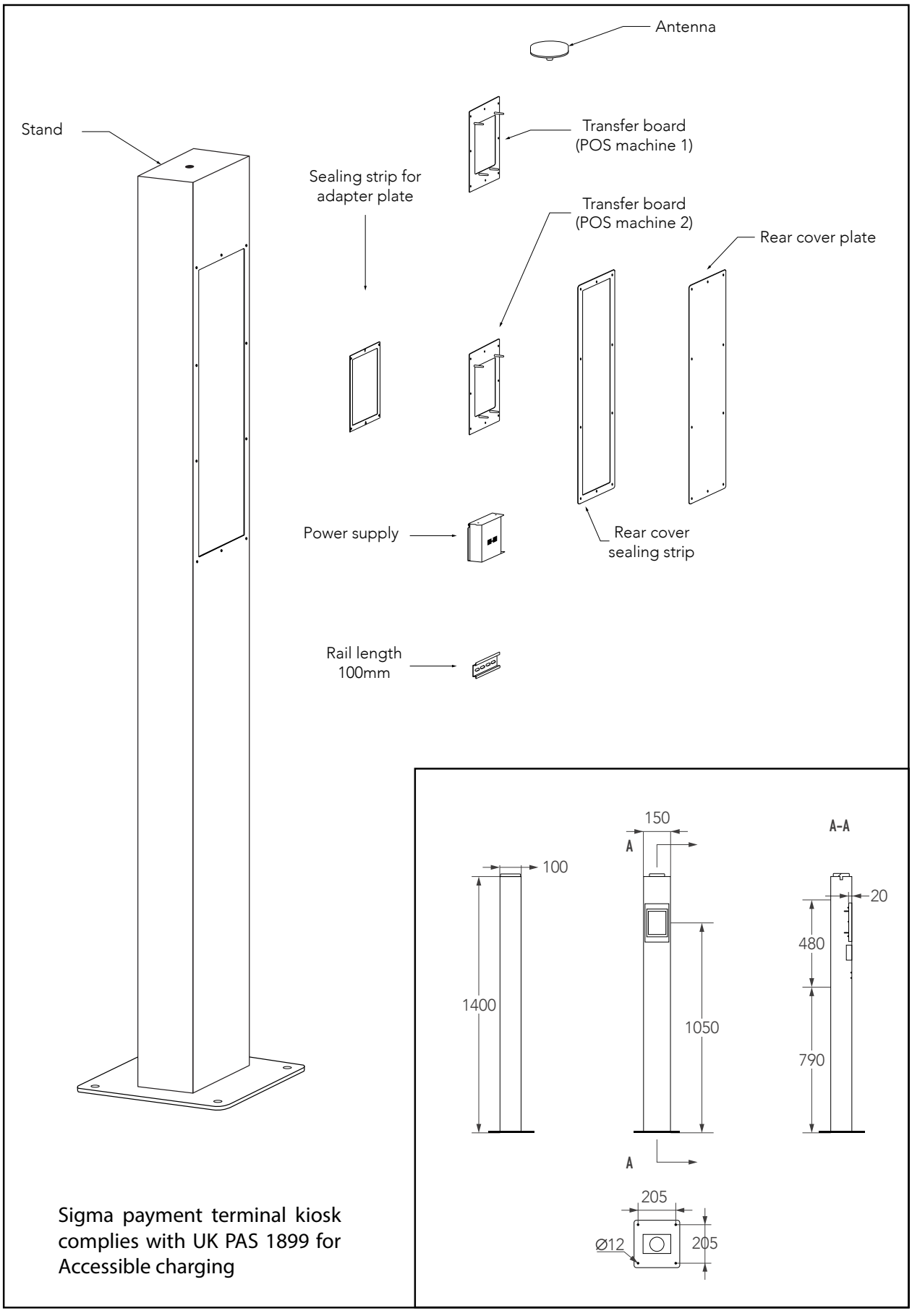
6A 1mm 3 core supply

iv. EVA Compliant Terminal Connection

Fix your chosen payment terminal

3. Technical Information

a. Dimensional drawing



Sigma payment terminal kiosk complies with UK PAS 1899 for Accessible charging

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