



C3K / C7K / C11K Mode 3 Electric Car Charger

Installation Manual



INTRODUCTION

This guide is intended for competent electrical installers to understand the requirements to installing an EVSE Systems C3K/C7K AC Mode 3 charge point.

The C3K/C7K/C11K is a Mode 3 charger, which complies with IEC62196, IEC61851 and SAEJ1772 standards.

SAFETY INFORMATION

- ⚠ Warning! The C3K / C7K charging unit is manufactured to be safe and without risk provided it is professionally installed, used and maintained in accordance with the manufacturer's instructions and recommendations. It is installed by competent electrical installers in accordance with national and local regulations applicable at the time of installation.
- ⚠ The C3K / C7K is designed to be connected to a dedicated AC supply only.
- ⚠ A minimum of a double pole type A RCD/RCBO must be fitted at source.
This charger does not support legacy EVs which require ventilation.
- ⚠ This charger must be earthed.
- ⚠ Adaptors and extension cords are not to be used with this equipment.
- ✓ This charger is for indoor or outdoor use.
- ✓ This charger is for locations with both restricted and non restricted access

 **WARNING:** Risk of shock! Do not apply power to the unit until installation is complete! Installation must be completed by competent registered installers only!

ELECTRICAL SPECIFICATIONS

	C3K	C7K	C11K
Input Voltage	220-240 VAC 50Hz		
Number of Phases	1		3
Output Power	3.6kW	7.4kW	11kW
Output Current	16A	32A	16A
IP Rating	IP54		
IEC 61140 Protection Class	Class I		

CIRCUIT PROTECTION

Model	Unit Rating	Cable Rating	RCBO		
C3K	3.6kW	4mm ² - 6mm ²	16A	30mA C Curve	2 Pole
C7K	7.2kW	6mm ²	32A	30mA C Curve	2 Pole
C11K	11kW	4mm ² - 6mm ²	16A	30mA C Curve	4 Pole

EARTH PROTECTION

It is the responsibility of the installer to ensure that there is suitable earthing to the C3K / C7K / C11K and that it complies with local regulations and standards.

- The C11K is designed for TN network systems only.
- This product must be earthed.

MOUNTING THE C3K / C7K

1. Check that the electrical system is up to date and safe.
2. Consider the car's cable length when locating the unit, and that the car can park in a safe location while connected to the C3K / C7K.
3. Ensure that the mounting structure is appropriate, decide on the appropriate fixings.
4. The C3K / C7K should be mounted between 750mm and 1500mm off the ground.
5. Remove the Black outer frame by the two bolts on the bottom of the unit
6. Mount the unit to the wall.



WIRING

1. Remove junction box cover
2. Ensure gland is appropriate for cable used.
3. Wire in to terminal block.
4. Replace junction box cover.
5. Power on and test.



USER INSTRUCTIONS

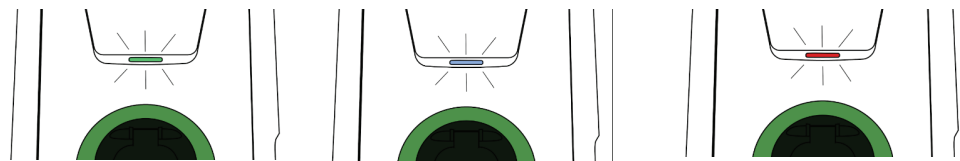
1. When ready to charge, connect the charger to your car using your cable.
2. Charging should start automatically.
3. When charging is complete, unlock charging cable from the car side.
4. In the event of a fault, the unit will emit a tone and flash red.
5. Unplug the car and reset by pressing the button on the side of the unit.
6. If you are unable to find the source of the fault, or if it reoccurs, email support@evsesystems.com

LED CODES

Green: Ready

Blue: Charging
Blue / White: Finished Charging

Flashing Red: Error State:
Unplug EV and
press Button



SPECIFICATIONS

EVSE Model	C3K	C7K	C11K
Output Power	3.6kW Single Phase	7.2kW Single Phase	11kW Three Phase
Output Current	16A	32A	16A
Outlet Socket	Type 2 (ISO-62196-2)		
Safety Protection	Internal 30mA AC / 6mA DC RCM IEC 62955:2018		
Required Protection	20A Type A RCBO C Curve	40A Type A RCBO C Curve	20A Type A RCBO 3 Pole C Curve
Environmental Protection	Charger - IP65, Socket - IP54		
EV Charging Compliance	CE Certified IEC 61851-1:2017 IEC 61851-21-2:2018		
Charge Protocol	Mode 3		
Charger Status	LED and Audio		
Mounting	Wall		
Operating Temperature	-40 to +50°C		
Dimensions	400 x 240 x 160mm		
Weight	2.9kg		
Gland	11-14mm Cable Diameter		
Housing	UV Resistant ABS		

EVSE Systems Limited, 11 South William St, Dublin 2, Ireland D02N727
Ph: +353 1 537 4004, email: support@evsesystems.com, www.evsesystems.com



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