



# Cityline 300 User Operation Manual



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## Important Safety Information

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### Warranty

CityEV Ltd. has made every effort to ensure the accuracy of the content of this manual. However, it is possible that it may contain technical inaccuracies or typographical or other errors. CityEV Ltd. will assume no liability for any inaccuracy found in this publication, nor for damages, direct, indirect, incidental, consequential or otherwise, that may result from such an inaccuracy.

The information provided in this manual is subject to change without notice. CityEV Ltd. reserves the right to alter product designs or specifications without notification.

### Important Safety Information

All safety warnings give specific details of the potential danger/warning present and indicate how to reduce risk of injury, damage and electric shock resulting from improper use of the device. Carefully observe the following instructions:

- Installation and maintenance must be carried out by a competent person, in compliance with the manufacturer's instructions, the relevant wiring regulations and local safety regulations.

**If in any doubt, consult a qualified electrician.**

- The device must be disconnected from the power supply before carrying out any installation work.
- Regulations require that the device is earthed.
- Do not remove the device cover while the power supply is connected.
- Do not operate the device with the cover removed.
- Do not attempt to repair or replace any part of the device. In case of malfunction contact your installer or CityEV Ltd.
- All Maintenance operations must be carried out by a qualified technician.
- The manufacturer accepts no responsibility for any damage or injury caused by improper use or failure to comply with these instructions.

### The Cityline 300 Fast AC Chargepoint

The Cityline 300 electric vehicle chargepoint from CityEV is suitable for a wide range of applications including municipal, commercial and domestic installations.

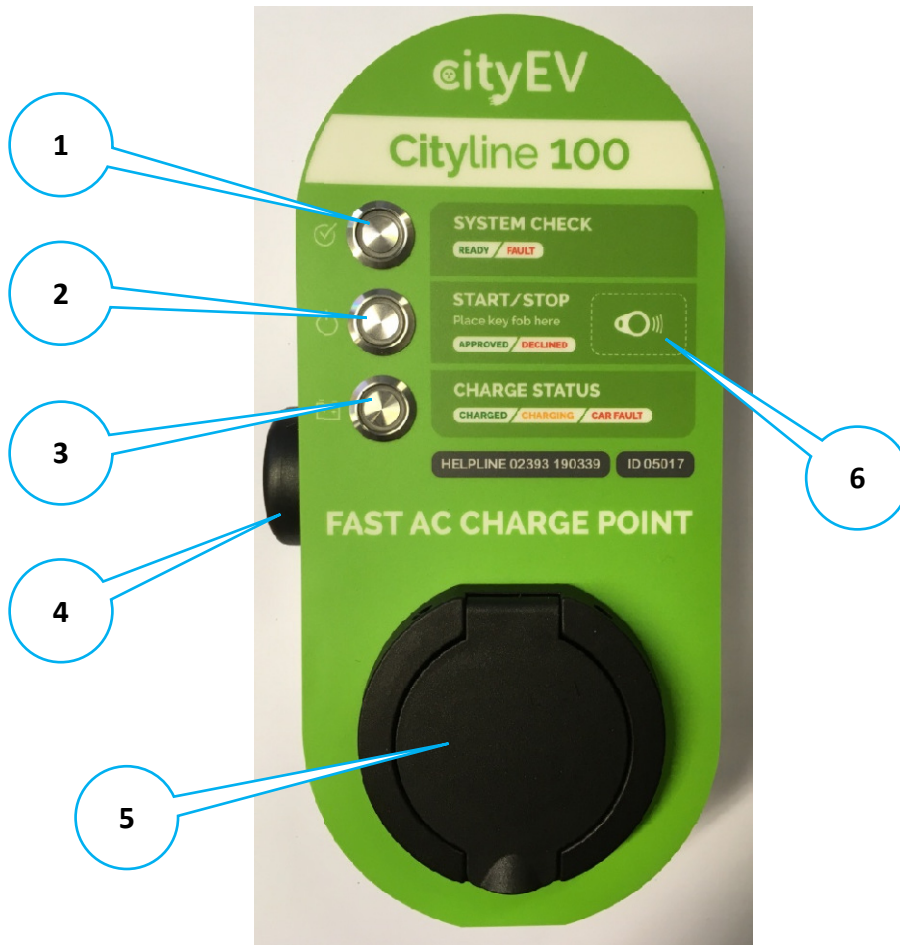
The Cityline 300 chargepoint is connected to a 3 phase supply and can be used to charge 3 phase or single phase capable EVs.

The unit can deliver up to 32A per phase (22KW 3 phase, 7KW single phase), where the supply allows and supports centralised dynamic load management and load sharing. The system supports multiple charge authentication methods and has comprehensive built-in power metering and usage monitoring and reporting. With clear indications and simple operation, focused on ease of use for drivers.

Also built into the unit is the CityEV Safevolt™ earth fault protection technology allowing the unit to be safely used on PME systems and allows fully compliant installations with BS7671 18th addition amendment 1.

Additionally the unit also incorporates a 6mA DC leakage trip allowing installations fully compliant with BS7671 18th addition amendment 1 using only a standard type A RCD in the supply circuit.



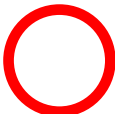

The picture below shows the Cityline 300 control unit and features.




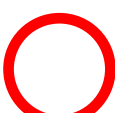







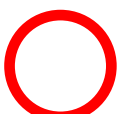

1. System Status LED
2. Chargepoint Authorisation Status LED
3. Charging Status LED
4. GSM Communications Antenna
5. Type 2 EV Connection Socket
6. RFID Key Fob Reader Area

### Cityline 300 Indicator LEDs


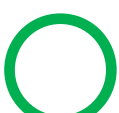


The Cityline 300 uses 3 tri-colour LEDs to indicate the chargepoint status  
The LED functions are set out in the table below.

System Status LED (1)	
	System OK. Ready to charge
	Establishing communications. Ready to charge
	System Fault. Not available to charge
	Earth Fault Detected. Not available to charge

Authorisation Status LED (2)	
	Charging not yet authorised (Waiting for user key fob or App Authorisation)
	Authorisation in progress
	Authorised to charge
	Not authorised to charge
	Earth fault measurement probe fault. Not available to charge

Charging Status LED (3)	
	Not charging or EV not connected
	EV Connected
	Charging in progress
	EV Charged
	EV Fault
	DC earth leakage trip. Not available to charge

LED key:

	Off
	On
	Slow Flashing
	Quick Flashing

### Vehicle Charging procedure

To charge your vehicle:

1. Ensure that the charge point is ready and available for charging. This is indicated by a GREEN system check LED.
2. Connect the EV to using the appropriate cable to the type 2 EV connection socket located on the front of the unit.
3. Place your user ID key fob over the START/STOP key fob zone indicated on the front of the unit.  
or  
Alternatively authorise charging by using app if appropriate.
4. If authorisation is successful the authorisation status LED will turn GREEN.
5. Charging will start automatically and is indicated by an ORANGE charge status LED.

Note: when charging starts, the charge cable will be locked into position.

6. When the EV has been fully charged, the charge status LED will turn GREEN.
7. To stop charging and release the cable connector lock unplug the cable at the EV end.  
or  
Place your user ID key fob over the START/STOP key fob zone indicated on the front of the unit.  
or  
Using the stop charge function in the app.
8. Remove the charging cable from the type 2 socket.




### Chargepoint Measurements and Reporting

After each charging cycle the following information will be uploaded by the chargepoint to the central system:

- Chargepoint ID
- User ID
- Time EV was connected
- Time EV started charging
- Time Charge finished
- Time EV disconnected
- Energy used in Wh

## Declaration of Conformity

<b>EC Declaration of Conformity In accordance with 768/2008/EC</b>		
We of	CityEV Ltd. Technopole, Kingston Crescent, Portsmouth, UK. PO2 8FA	
In accordance with the following Directives:		
2014/35/EU 2004/108/EC	The Low Voltage Directive The Electromagnetic Compatibility Directive	
Hereby declare that:		
Equipment	Electric Vehicle Supply Equipment	
Model	Cityline 300	
Is in conformity with the applicable requirements of the following documents:		
Ref. No.	Title	Edition/Date
BS EN 61000-6-1	Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light-industrial environments	2007
BS EN 61000-6-3	Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments	2007
EN61000-3-2	Electromagnetic compatibility (EMC) Part 3-2 - Limits Limits for harmonic current emissions	2014
EN60335-1	household and similar electrical appliances. Safety part 1: general requirements	2012
I hereby declare that the equipment named above is compliant with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.		
		
Signed:		
Name:	R Morris	

CityEV Helpline: 02393190109

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