cityEV

Documentation

EVline 100/U Configuration

Operating Modes

Charging Authorisation

The EVline 100/U can be configured at the time of installation to operate in one of three distinct charge authorisation modes:

1.   Always authorised, free to use.

2.   Always authorised, free to use but can be enabled or disabled using keyfob.

3.   Each charging session authorised by keyfob.

Maximum Charging Current

The EVline 100/U can be configured at the time of installation to operate in one of two maximum charging current modes:

1.   16A
2.   32A

The actual current at the time of use is limited according to the cable type used.
i.e. a chargepoint configured to charge at a maximum of 32A will only operate at 16A if a 16A cable is used.

Back Office Communications

The EVline 100/U can be configured at the time of installation or subsequently to use the built-in cellular network communications to communicate with the CityEV back office system to allow central monitoring and control of the chargepoint. This option can be used to provide chargepoint usage reports and billing if required.

Note: The use of this service will require the chargepoint installation details form to be returned to CityEV to enable the chargepoint to be set up on the central monitoring system and the unit's SIM card to be activated.
Note also that this is a cost option and will incur a quarterly service charge.

For units supplied under the OLEV workplace chargepoint scheme back office communications and monitoring is <u>mandatory.</u>

Operating Mode Configuration

Factory configuration:

Charging Authorisation: Always authorised, free to use

Maximum Charging Current: 16A

Back Office Communications   Disabled

Configuration Programming:

1. Press Start/Stop switch
2. Swipe master Keyfob

◯	
🔅	Middle green LED flashes
◯	

3. Within 20 seconds press start/stop switch

🔴	Top LED flashes to indicate charge authorisation mode
◯	
◯	

Top LED flashes in groups to indicate currently programmed authorisation mode as follows:

1 flash = Always authorised, free to use

—   —   —   —

2 flashes = Free to use but enabled/disabled by keyfob

—   —   —   —   —   —   —   —
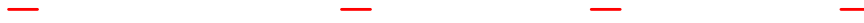
3 flashes = Each charging session authorised by keyfob

—   —   —   —   —   —   —   —   —

4. Press start/stop switch to change mode

⬤	
🔴	After 20 seconds middle LED indicates maximum charge current
⬤	

Middle LED flashes in groups to indicate Maximum Charging current:

1 flash = 16A

—   —   —   —

2 flashes = 32A

—   —   —   —   —   —   —   —

    5. Press start/stop switch to change mode

⬤	
⬤	
🔴	After 20 seconds bottom LED indicates communications mode

Bottom LED flashes in groups to indicate communications mode:

1 flash = No Communications

—   —   —   —

2 flashes = Back office communications enabled

—   —   —   —   —   —   —   —

    6. Press start/stop switch to change mode

After 20 seconds the display cycle will begin again with the top LED

    7. Swipe keyfob to exit programming mode.
    8. Chargepoint will restart

Keyfob Programming:

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Each EVline 100/U is supplied with 2 master keyfobs.
Master keyfobs can be used for normal charging authorisation and also for chargepoint programming.

Additionally, master keyfobs can add new user keyfobs to the system.
User keyfobs can only be used to authorise charging and cannot be used for system programming.

The add an additional user keyfob:

1. Press Start/Stop switch
2. Swipe master Keyfob

◯	
⦿	Middle green LED flashes
◯	

3. Swipe new user Keyfob

◯	
🟠	Middle LED turns orange for 5 seconds to indicate new keyfob has been added.
◯	

4. Unit returns to normal operation

Notes

Notes

Chargepoint Installation Details Form

→ **This form needs to be completed and returned to CityEV if it is required to include the chargepoint in the CityEV central chargepoint online monitoring system.**

→ If the chargepoint has been installed under the OLEV Workplace Charging Scheme, central monitoring is an **OLEV mandatory** requirement.

The Cityline EVline 100/U chargepoint as supplied is not configured to use the back office communications.

1. First follow the instructions on pages 3 & 4 of this manual to enable back office communications on the chargepoint.

2. Next fill out and return this form to CityEV for the process to be completed.

Chargepoint ID
Name of Owner
Installation Address Including Postcode
Billing Address
Date of installation
Chargepoint power   16A   32A
Installer Name & Address

3. Return this form to CityEV Ltd

By email: support@cityev.net
By post: CityEV Ltd, Burnt Thorns, Kilsby Lane, Rugby. CV21 4PN
By Fax: 01788 511078