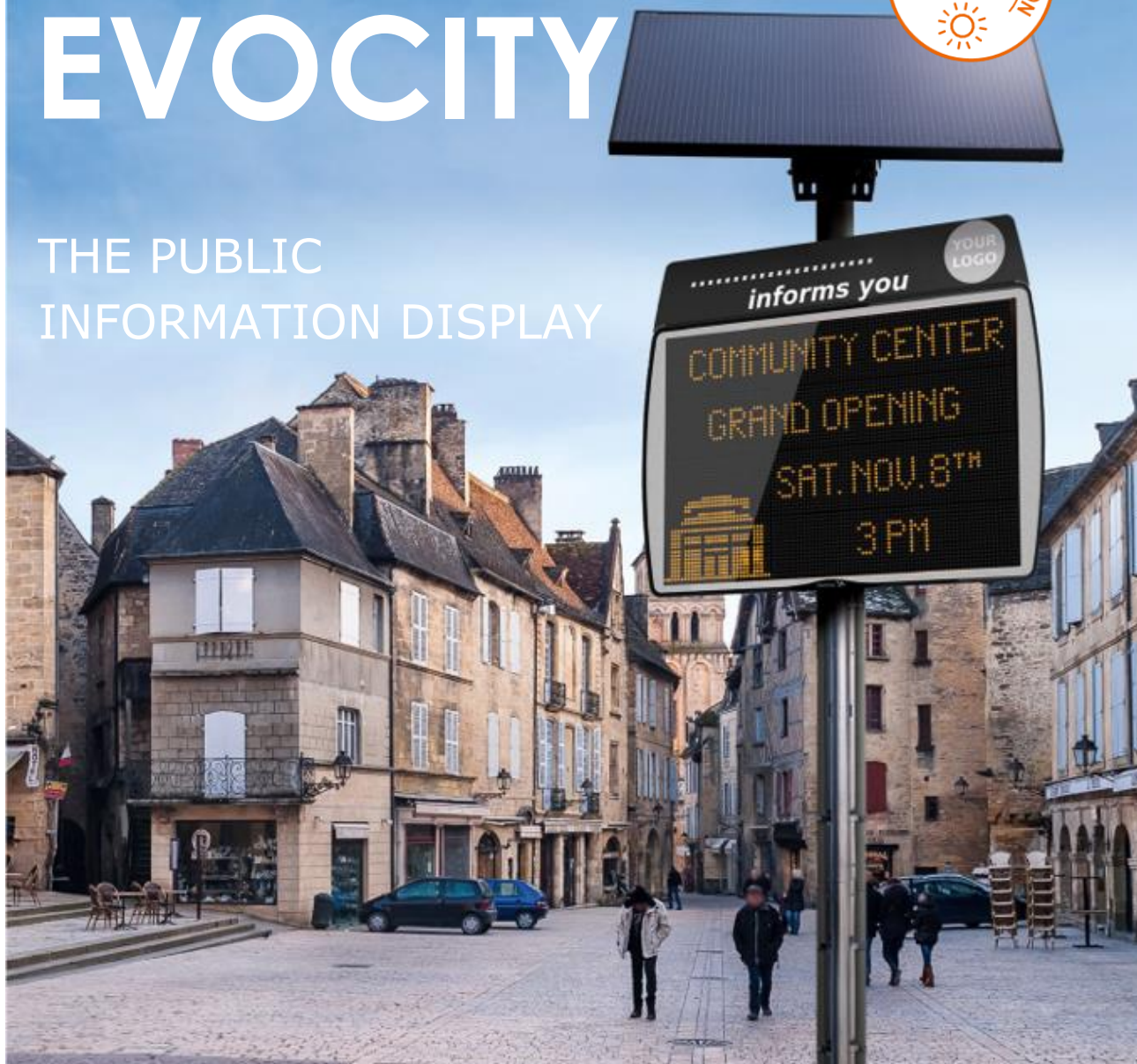


INSTALLATION MANUAL

EVOCITY

THE PUBLIC
INFORMATION DISPLAY







ElanCity

www.elancity.co.uk

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1. PRESENTATION	3
2. CONTENTS OF THE PACKAGES	4
2.1 SOLAR EVOCITY (6 PACKAGES)	4
2.2 FASTENERS DEPENDING ON THE TYPE OF MOUNTING POST	6
3. DESCRIPTION OF THE DEVICE	8
4. INSTALLATION	9
4.1 EQUIPMENT REQUIRED	9
4.2 INSTALLATION OF THE EVOCITY ()	9
4.3 POSITIONING OF THE SOLAR PANEL ()	11
4.4 INSTALLATION OF THE BATTERY HOUSING ()	12
4.4.1 Positioning the housing (attachment with stirrup brackets)	12
4.4.2 Positioning of the housing (attachment with flanges)	14
4.4.3 Installation of the batteries ()	16
4.5 INSTALLATION OF THE DUCTS	17
4.6 THE FINAL RESULT OF THE INSTALLATION	19
5. STARTING UP	20
5.1 INITIAL START-UP	20
5.2 MODE-SELECTION KNOB	21
6. DEVICE MAINTENANCE	21
7. TECHNICAL CHARACTERISTICS	23
8. OPERATING MANUALS	24
8.1 MANUALS	24
9. AFTER-SALES SERVICE	24
9.1 TERMS AND CONDITIONS	25
9.1.1 Guarantee exclusions	25
9.2 BREAKDOWN DURING THE GUARANTEE PERIOD	25
9.2.1 Definition	25
9.2.2 Procedure to follow	25
9.2.3 Average duration of repair (rough guide)	26
9.3 DEVICE BREAKDOWN OUTSIDE THE MANUFACTURER'S GUARANTEE	26
9.3.1 Definition	26
9.3.2 Procedure to follow	26
9.3.3 Taking out a guarantee extension	26
9.4 TERMS OF TRANSPORT FOR RETURNS TO THE AFTER-SALES SERVICE DEPARTMENT	26
9.4.1 Definition	26
9.5 SPARE PARTS	27
9.6 MAINTENANCE BY A THIRD-PARTY COMPANY	27
9.7 STANDARDS	27

1. PRESENTATION



Thank you for having chosen the EVOCITY public information display, a device that is useful for keeping inhabitants informed and promoting your town or city

For local authorities, a public information display is a rapid and effective means of informing the community. The fact that it can be updated regularly makes it **a valuable tool for making the connection between what's going on in the community and the inhabitants.**

The facility can be beneficial for numerous types of announcement:

- **Community events:** a sports competition, a reception, a toy fair, etc.
- **Cultural events:** library hours, what's new at the media library, etc.
- **Community news:** reminders of deadlines for registration on the electoral rolls, hunting season opening dates, etc.
- **Life in the community:** works, refuse management, etc.
- **Emergency information:** warnings of flooding, storms, heat waves, etc.

Live messages that are sure to be seen

The public information display has a **graphic interface that makes it possible to enter several messages.**

Functioning like an information carousel, the panel displays the various messages in rotation.

You can be certain that your messages will be read at the moment you have decided.



2. CONTENTS OF THE PACKAGES

On reception, check that the contents of the boxes correspond to the delivery note. It is vital that you inform us of any transport-related error or damage within two (2) working days.











Please keep the packing boxes carefully, because they will be required in the event of any product return to our workshops. If, regrettably, the original packing is no longer available, we will be able to make replacement packaging available to you for purchase.







2.1 SOLAR EVOCITY (6 PACKAGES)

EVOCITY box	EVOCITY public information display	
	Mounting bar	
	Customizable top panel	
	Duct (x2)	
	Installation manual + 6-lobe screwdriver	
	Connecting cable and battery bridging cables with fuses	

Battery box x 2	Lead battery, 12 V 80 A-h	
Battery housing box	Housing and door	
	Fasteners	The fasteners supplied may change, depending on the type of mounting post (see the table on the next page)
Solar panel fasteners box	Solar panel attaching bracket	
	Post mounting bracket	
	Fastening screws	
Solar panel box	215 W solar panel	

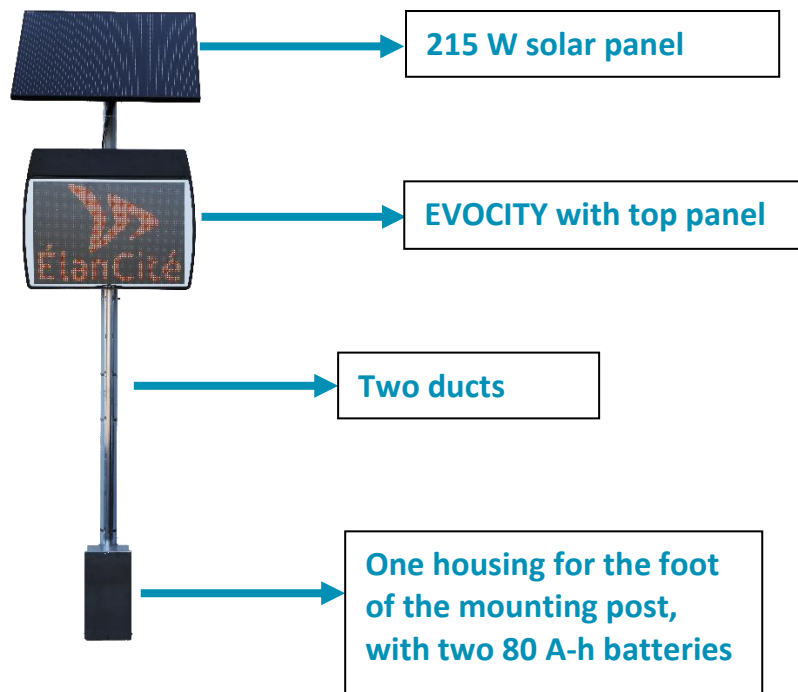
2.2 FASTENERS DEPENDING ON THE TYPE OF MOUNTING POST

STANDARD	Diameter 104 mm		
	Stirrup bracket 104 mm	Quantity: 2	
	M10 nut with ribbed pressed washer	Quantity: 4	
	Diameter 114 mm		
	Stirrup bracket 114 mm	Quantity: 2	
	M10 nut with ribbed pressed washer	Quantity: 4	
	Diameter 140 mm		
	Stirrup bracket 140 mm	Quantity: 2	
	M10 nut with ribbed pressed washer	Quantity: 4	
	Diameter 168 mm		
	Stirrup bracket 168 mm	Quantity: 2	
	M12 nut with ribbed pressed washer	Quantity: 4	
	Diameter 195 mm		
	Stirrup bracket 195 mm	Quantity: 2	
	M12 nut with ribbed pressed washer	Quantity: 4	

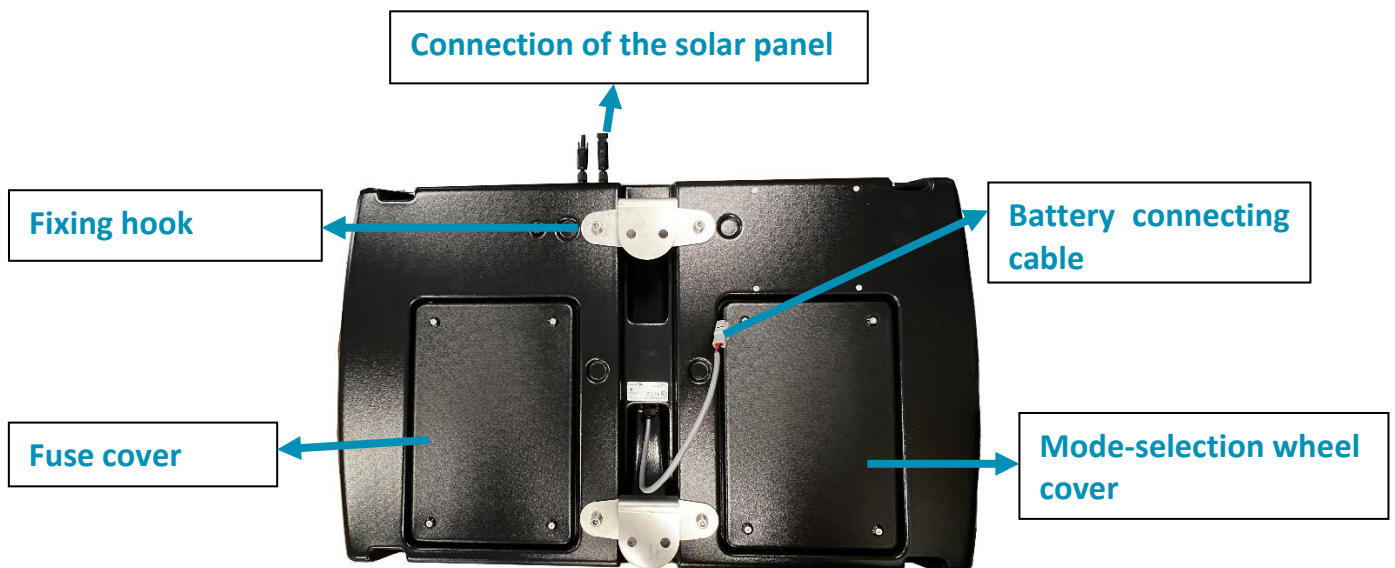
NON-STANDARD	Diameter [100 – 120] mm		
	Mounting bracket for housing at the foot of the mounting post	Quantity: 2	
	TAMTORQUE fixing clamps 7-sided Diameter 100/130 mm	Quantity: 2	
	M8 nut with ribbed pressed washer	Quantity: 4	
	M8x25 square-neck screw	Quantity: 4	
	Diameter [120 – 180] mm		
	Mounting bracket for housing at the foot of the mounting post	Quantity: 2	
	TAMTORQUE fixing clamps 7-sided Diameter 130/190 mm	Quantity: 2	
	M8 nut with ribbed pressed washer	Quantity: 4	
	M8x25 square-neck screw	Quantity: 4	

3. DESCRIPTION OF THE DEVICE

The solar EVOCITY comprises the following elements:



Rear face of the EVOCITY:



4. INSTALLATION



Before proceeding with putting the device into operation:

- Be sure to consult and respect current regulations regarding working at heights. Take care to guarantee your safety and that of all others present at all times.
- You must also respect regulations regarding worksite safety signs, particularly during operations alongside public roads.
- Work on electrical equipment under tension requires specific accreditations. It is important to consult and follow the regulations currently applicable in this respect.

The pictogram  tells you the number of people required for the carrying out of each step.

4.1 Equipment required

Mobile Elevating Work Platform for the mounting and attachment of the solar panel

IRP-type safety stepladder

Bit-head screwdrivers

Socket spanners

17 mm socket

17 mm flat spanner

Jubilee clips or fixing strap for solar panel (not supplied)

Jubilee clips or fixing strap for EVOCITY (not supplied)




Jubilee clips or fixing strap for the ducts (not supplied)

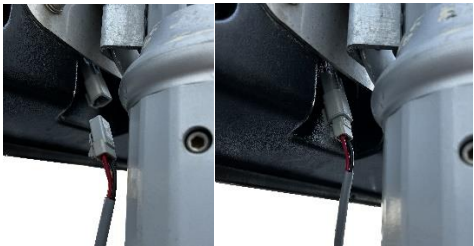
4.2 Installation of the EVOCITY ()



**Operations on equipment at a height are subject to accreditations.
Remember to consult and respect the currently applicable regulations.**




Installation of the top panel	Unscrew the six screws located on the top face of the EVOCITY	
	Place the top panel on top of the EVOCITY, then screw back in the six screws	


<p>Installation of the mounting bar</p>	<p>Position the mounting bar on the post at the desired height, taking care to respect the recommended installation heights. Attach the mounting bar with the aid of Jubilee clips or fixing strap (not supplied).</p>	
<p>Positioning of the EVOCITY</p>	<p>Place the EVOCITY on the mounting bar, inserting the hooks into the rings provided on the bar.</p>	
	<p>You can improve the security of the EVOCITY installation by adding a padlock (not supplied) to the EVOCITY's lower hook</p>	

	<p>Connect the battery connection cable to the EVOCITY's output connector.</p>	
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4.3 Positioning of the solar panel ()


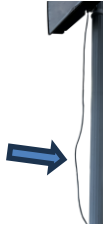
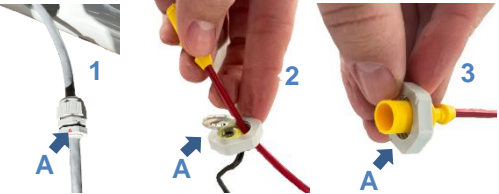

Operations on equipment at a height are subject to accreditations. Remember to consult and respect the currently applicable regulations.

<div>Solar panel</div>	<p>Assemble the solar panel attaching bracket onto the panel, in accordance with the instructions provided opposite</p>	
	<p>Attach the mounting bracket to the post with the aid of Jubilee clips or fixing strap (not supplied).</p> <p>Take account of the length of the solar panel cables to position the support at the appropriate height</p> <p>The mounting bracket must be oriented towards the South, in a position that is completely exposed all year round</p>	
	<p>Place the panel on the mounting bracket on the post, adjust its orientation, then screw it into place</p>	

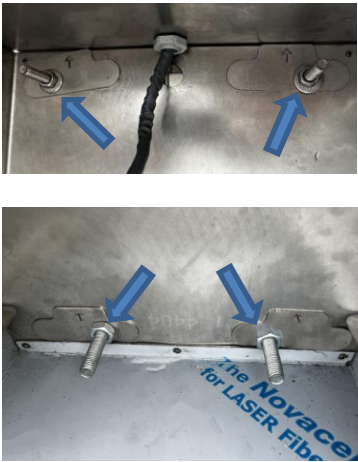
	<p>Connect the solar panel cables to the cables present on the top face of the EVOCITY.</p>	
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4.4 Installation of the battery housing (👤 👤)


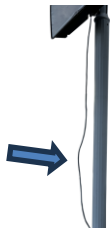
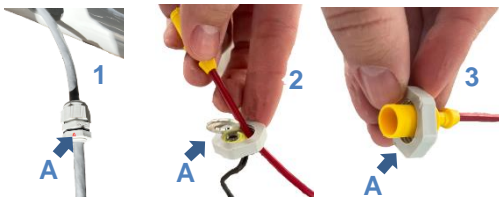
4.4.1 Positioning the housing (attachment with stirrup brackets)


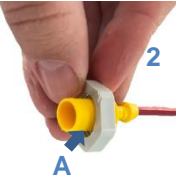
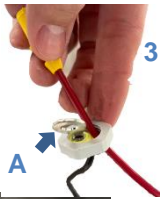



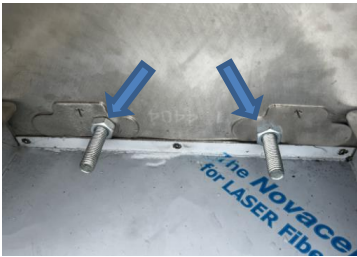

<p>Battery housing (Stirrup brackets)</p>	<p>Attach the two support feet to the bottom of the battery housing, adjusting their height from the ground to suit your requirements. To do this, tighten or loosen the nuts with the aid of a 17 mm flat spanner.</p> <p>If the installation of the support feet proves impossible owing to the specific configuration of your site, their use is not obligatory.</p>	
	<p>Recover the battery connection cable previously connected to the EVOCITY.</p>	
	<p>Unscrew nut "A" from the cable gland. Then withdraw the black cable, followed by the red cable, so that you can extract the fuse holder.</p>	


	<p>Pass the battery connection cable inside the housing via the hole located on the upper face of the housing. Then insert first the red cable into the nut "A", followed by the black cable.</p> <p>Tighten nut "A" with the cable gland.</p>	   
	<p>Place the housing against the mounting post.</p>	
	<p>Place the stirrup brackets around the post and insert them into the housing.</p>	

	<p>Insert the fixing plates, together with washers and nuts, then proceed with tightening from within the housing.</p>	
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4.4.2 Positioning of the housing (attachment with flanges)



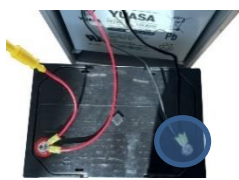

Battery housing	<p>Attach the two support feet to the bottom of the battery housing, adjusting their height from the ground to suit your requirements. To do this, tighten or loosen the nuts with the aid of a 17 mm flat spanner.</p> <p>If the installation of the support feet proves impossible owing to the specific configuration of your site, their use is not obligatory.</p>	
	<p>Recover the battery connection cable previously connected to the EVOCITY.</p>	
	<p>Unscrew nut "A" from the cable gland. Then withdraw the black cable, followed by the red cable, so that you can extract the fuse holder.</p>	




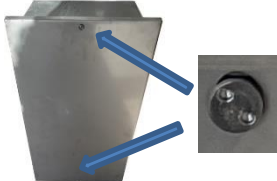
	<p>Pass the battery connection cable inside the housing via the hole located on the upper face of the housing. Then insert first the red cable into the nut "A", followed by the black cable.</p> <p>Tighten nut "A" with the cable gland</p>	 <p>1</p>  <p>2</p> <p>A</p>  <p>3</p> <p>A</p>  <p>4</p>
	<p>Attach the mounting brackets with the aid of the square-neck screws, placing the brackets at the back of the housing and then inserting the screw.</p> <p>Then, from within the housing, insert the fixing plate, followed by the washer, then the nut.</p> <p>Then tighten the nut with the aid of a socket spanner.</p>	   <p>The Novace for LASER Fibre</p>
	<p>Place the housing against the mounting post</p>	

	<p>At the levels of the upper and lower mounting brackets, place the Jubilee clips inside the mounting brackets, adjusting them around the mounting post, then tighten the Jubilee clips.</p> <p>If need be, don't hesitate to adjust the length of the Jubilee clips to suit the diameter of your post.</p>	
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4.4.3 Installation of the batteries (👤 👤)




Warning: for any operations involving the batteries, it is necessary to disconnect the fuses before any manipulation.

<p>INSTALLATION OF THE BATTERIES</p>	<p>Connect the battery bridging cables onto the first battery, being sure to respect the colour code: connect the red wire to the red terminal and the black wire to the black terminal.</p> <p>Once the cables have been correctly connected, insert the battery into the lower compartment of the battery housing</p>	
	<p>Connect the “red” terminal of the second battery to the red bridging cable coming from the first battery and the red cable coming from the housing</p>	
	<p>Connect the “black” terminal of the second battery to the black bridging cable coming from the first battery and the black cable coming from the housing</p>	
	<p>Once all the cables have been connected, place the battery in the upper compartment of the battery housing.</p>	

	Open the two yellow fuse holders by holding the cable firmly at each end then pulling to open them.	
	Insert the fuses	
	Close the fuse holder	
	Close the door of the battery housing and make it secure by screwing home the two tamper-proof screws. You also have the possibility of fitting a padlock (not supplied) for extra security.	

4.5 Installation of the ducts

INSTALLATION OF THE DUCTS	Once the battery housing and the EVOCITY have been attached and connected via the battery connection cable, you can install the ducts to hide the connecting cable	
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	<p>Place the connection cable inside the duct, then insert the Jubilee clip* or fixing strap* into the grooves taking care not to pinch the cable.</p> <p>*Not supplied</p>	 
	<p>Tighten the fastenings paying attention to the positioning of the duct at the level of the cable gland</p>	
	<p>Depending on the type of post used and the height of the installation, it may be necessary to shorten the ducts.</p>	

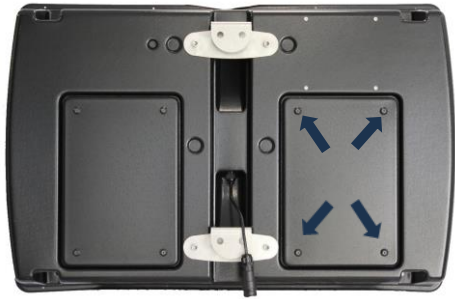


4.6 The final result of the installation






5. STARTING UP

5.1 Initial start-up

INITIAL START-UP	Open the rear hatch of the EVOCITY	
	Turn the mode-selecting knob to the "ON" position	
	The EVOCITY will display three dots at the bottom right of the screens	
	You can now contact Elan City's After-Sales Service Department at the following e-mail address; techsupport@elancity.co.uk in order to activate your EVOCITY and obtain your access to the https://www.elancity.co.uk/ website	

5.2 Mode-selection knob

The mode-selection knob is accessed via the right-hand hatch at the back of the device. It serves to set the various operating modes for the product.

Mode-selection knob		
	OFF	Information display off
	ON	Normal functioning mode
	O/F	Maintenance mode (used only by the After-Sales Service Department)
	Test	Factory diagnostics mode (for use at the After-Sales Service Department's request)
	Demo	Demonstration mode
	D2	Demonstration mode with luminosity at 10%
	D3	Demonstration mode with luminosity at 100%
	The Demonstration mode is identical to the "ON" mode, but with the panel's brightness set at a predefined value. These modes may be used, for example, for a product presentation indoors.	

6. DEVICE MAINTENANCE

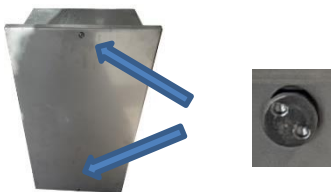




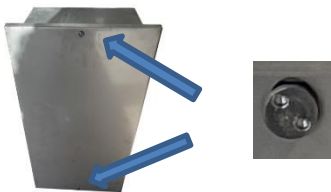
Batteries and solar panel

Ensure that the solar panel is not located in a shaded zone (under trees, near high buildings, etc.) or covered with snow in winter or with dust, affecting light transmission. Regularly clean the surface exposed to the sun and check the state of the batteries with the aid of a digital multimeter.



Operations on electrical equipment are subject to accreditations.
Remember to consult and respect the currently applicable regulations.

Replacement of the 6x32 mm calibre 8 A fuses

REPLACEMENT OF THE FUSES	Open the door of the battery housing	
	Open the two yellow fuse holders by holding the cable at both ends and pulling on it	
	Remove the fuses to be replaced	
	Insert the new fuses	
	Close the fuse holder	
	Close the door of the battery housing and make it secure by screwing home the two tamper-proof screws	

Vandalism

Like the roadside display panels, the EVOCITY is designed to resist moderate vandalism. In the event of serious degradations, repair or replacement will be required. Don't hesitate to contact our After-Sales Service Department for expert examination before repair.

Any damage to the presentation components must also be dealt with by qualified personnel.

7. TECHNICAL CHARACTERISTICS



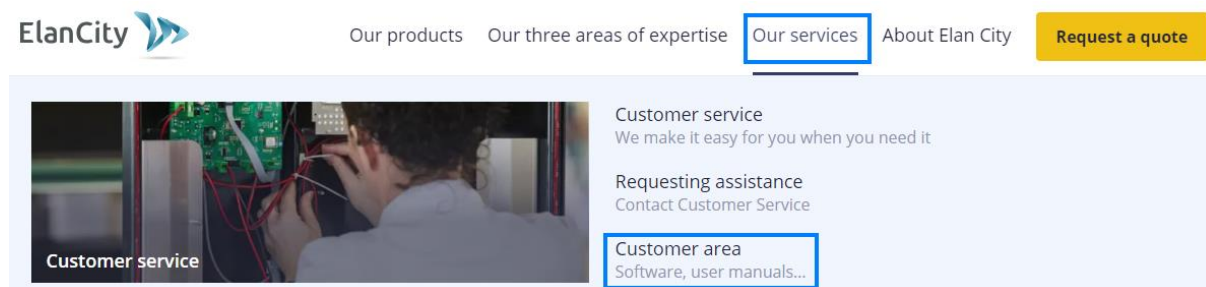
TABLE OF TECHNICAL CHARACTERISTICS

POWER SUPPLY	Main source	Monocrystalline solar panel, 12 V 215 W (PERC)
	Battery (type, voltage, capacity)	Lead-acid, 2x 12 V 80 A-h
	Electrical safety	Fuse 6x32 mm calibre 8 A standard
EVOCITY	Material (shell)	ABS / PMMA – anti-UV / Front face in polycarbonate
	Dimensions	1100 mm (width) x 714 mm (height) x 135 mm (depth)
	Colour	Black
Display	Resolution	96 x 64 LEDs
	Dimensions	960 mm x 640 mm
	Number of LEDs	6144
CONNECTIVITY	4G connection	
	Web server: https://evocity.elancity.eu/	
	Ethernet (optional)	
Standards	Wind	Maximum constant wind: 150 km/h Maximum wind gust: 160 km/h
WEB INTERFACE	Message creation	Diverse text messages (leisure, signage, animation, etc.)
		Addition of icons
		Display on specific dates and at particular times
		Management of display priorities (priority, normal, periodical)
	Dissemination	Transmission to an entire array or to a single EVOCITY
		Simulation of messages before transmission
		List and history of messages created
	Management and profile	Array management
		Language

8. OPERATING MANUALS

8.1 MANUALS

Our installation and operating manuals are available on our website <https://www.elancity.co.uk>, “Our services” section then “downloading area”



9. AFTER-SALES SERVICE

The After-Sales Service handling of products repairable under manufacturer's guarantee or out of guarantee and the management of spare parts, embedded software and installation/operating manuals are taken care of by our After-Sales Service Department, whose contact details are given below.



Wilberforce House,
Station Road
London NW4 4QE

Any questions?

Contact us Monday to Friday
between 9 a.m. and 12.30 p.m. or between 1.30 p.m. and 5.30 p.m.

E-mail address: techsupport@elancity.co.uk

9.1 Terms and conditions

To complement the legal guarantee of conformity, covering apparent and/or hidden defects (articles 1641 to 1649 of the Civil Code), the Elan City company provides a contractual guarantee of 12 months, giving a total guarantee period of 24 months from the date of product delivery.

This guarantee covers the supply of spare parts, labour required for their use for replacement, and transport expenses for the package delivery to our service workshops and its return after repair, in accordance with the after-sales service return conditions indicated in this document.

Exceptionally, the guarantee periods for the accessories are:

- Two (2) years return transport for the solar panels.
- Six (6) months for other consumables, in particular the batteries.

9.1.1 Guarantee exclusions

- Breakdowns due to breakage, dropping or a shock.
- Abuse, mistreatment or unauthorized modifications.
- Transport litigation as a result of negligence regarding packaging that does not comply with our after-sales service return conditions.
- Breakdowns due to poor connection or an inversion of polarity of the battery cables.
- Problems arising from an installation that does not comply with our installation instructions, or from defective maintenance or a modification.
- Accessories and wearing/limited-life parts (e.g.: batteries more than 6 months old) are not guaranteed.
- Opening of the product and dismantling of its spare parts.

For any device out of guarantee, an expert's quotation for return transport expenses and a full diagnosis will be provided. Once the quotation has been validated by the client, Elan City will proceed with the collection and examination of the equipment. A second quotation for spare parts will then be submitted to the client. The client will then have the choice between validating the quotation, refusing it or accepting destruction of the equipment.

9.2 Breakdown during the guarantee period

9.2.1 Definition

Any device broken down within the guarantee period of 24 months from delivery date shall be considered a product broken down while under manufacturer's guarantee.

A product shall only be considered broken down if Elan City has been able to carry out tests together with the client.

9.2.2 Procedure to follow

The customer informs our After-Sales Service Department by telephone or e-mail, with details of the problem encountered. Our technician will make a remote diagnosis. The client undertakes to make available any (electrical, computing, etc.) means to enable the carrying out of these initial tests.

In the event of confirmed equipment breakdown, the client will receive an e-mail with an after-sales service return conditions form for completion.

On return of this form, signed and dated, by the client, our logistics department will handle the request as soon as possible and organize the uplift of the package by our accredited transporter.

Of course, any device showing no functional defect cannot be accepted for return under the manufacturer's guarantee. Our After-Sales Service Department will inform the client, enclosing a quotation for return transport expenses for the package and expert inspection expenses amounting to €160 excluding VAT.

Any incomplete request will not receive the quickest treatment.

9.2.3 Average duration of repair (rough guide)

You should expect about 5 working days from the date of reception of the package. We will in all cases do our best to reduce this period, as far as our obligations permit.

9.3 Device breakdown outside the manufacturer's guarantee

9.3.1 Definition

Any device breakdown beyond the contractual guarantee period of 24 months or concerned by a guarantee exclusion shall be considered as a breakdown outside the manufacturer's guarantee. The costs for return transport, labour and spare parts shall be borne by the customer.

9.3.2 Procedure to follow

The customer informs our After-Sales Service Department by telephone or e-mail, with details of the problem encountered. A technician will guide you through the procedure, proposing various repair options.

You will then receive a quotation for the return and expert examination of your product. Once it is in our workshop, a quotation for spare parts will be sent to you by e-mail.

9.3.3 Taking out a guarantee extension

Definition

A guarantee extension may be taken out at the end of the initial guarantee period of 24 months and/or later on. This contract serves to extend your product's guarantee for up to 72 months beyond the initial guarantee period.

Guarantee extension

This contract covers:

- Return transport,
- Parts replacement and labour.

For further information, contact our After-Sales Service Department at this address: techsupport@elancity.co.uk

9.4 Terms of transport for returns to the After-Sales Service Department

9.4.1 Definition

For any request to return a device to the After-Sales Service Department for repair, modification or general servicing, a few instructions must be followed to ensure that the package arrives at our department under the best conditions.

The customer making the request undertakes to respect the transport procedures indicated below. In the event of non-respect of these instructions, the customer shall have sole responsibility for the transported items (foregoing any right to invoke the responsibility of either the transporter or Elan City). Consequently, the despatcher undertakes to pay any costs in connection with restoring the device to proper working order in the event of litigation concerning the transporter.

Terms of transport

- Batteries must not be present in the device or the device's packaging during transport.
- The device must be sent back in its original packaging with its protective foam. If the original packaging has not been kept or has been lost, a quotation for replacement security packaging, insurance included, will be sent to the customer.
- If the package is loaded onto a pallet, the pallet must be film-wrapped prior to despatch.
- The packaging must be properly sealed with security tape in both directions.
- The protective foam must perfectly cover the device, protecting all four corners.

9.5 Spare parts

All spare parts and accessories may be ordered from our After-Sales Service department. Transport costs shall be at the customer's expense.

9.6 Maintenance by a third-party company

Only the Elan City company may supply spare parts and carry out any repairs under guarantee, out of guarantee or during an extension of guarantee. If Elan City, however, calls on the services of a third-party company, the customer shall be advised of the fact beforehand. No company may claim to offer servicing during the period of guarantee or any extension to the guarantee.

9.7 Standards

All certifications are available on our website <https://www.elancity.co.uk/services/customer-area/>