

# Installation guide User guide



## EVOFLASH

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# Installation and user guide

## Product : Evoflash



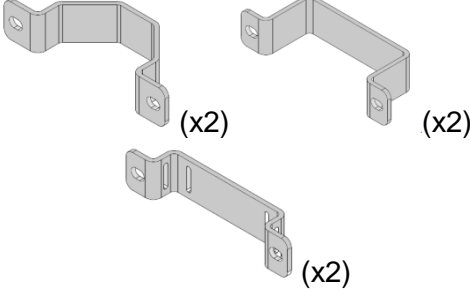

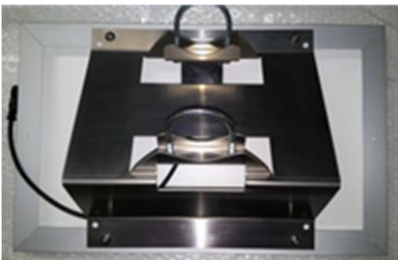

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### 1 CONTENT

Unit	Illustration	Description
<b>Pole brackets</b>		Allow mounting on any pole. (see § 1.2)
<b>Hardware</b>		Hardware for brackets.
<b>Solar Panel and brackets</b>		Solar panel and mounting brackets.
<b>EVOFLASH BEACON</b>		beacon

### 2 OPERATION OF EVOFLASH BEACON

The Evoflash beacon is featured with a speed detection device and a flashing lamp, that allow to enhance existing road signage by flashing when overspeed is detected.

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Easy to install and solar autonomous, the Evoflash beacon can adapt to any kind of situation, from school zone to dangerous curve or pedestrian crossings.

The Evoflash beacon is easy to set-up using the integrated keyboard.

Possible configuration are as follows:

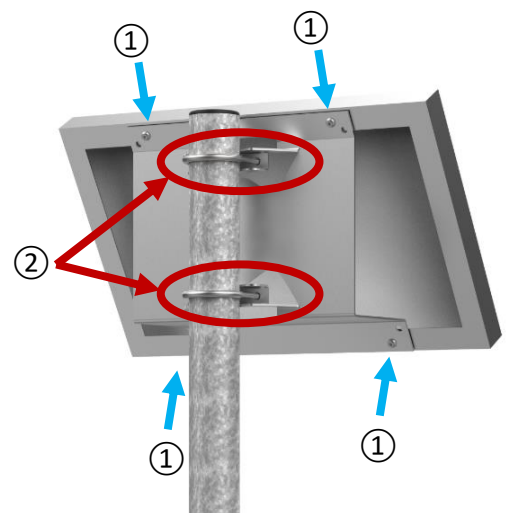
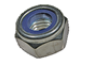
Posted speed		Speed limit in force. The beacon will start flashing from this speed.
Flashing speed		How fast the beacon will blink. Several configurations are possible.
Detection range		How far the vehicles will be detected.

### 3 MOUNTING

#### 3.1 SOLAR PANEL

##### 3.1.1 Mounting on 60mm diameter pole

- ① Screw the solar panel onto the square



- ② Install the whole onto the pole thanks to the brackets.

x 2



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### 1.1.1 Mounting on other types of poles



*Use pole straps (not included)*

## 1.2 MOUNTING EVOFLASH

Use the supplied brackets. Each of the mis meant for a different type of pole.

Bracket for <b>Diam. 60mm</b>	Bracket for <b>76*40mm</b>	Any type of pole

Brackets are to be screwed directly onto the beacon using following hardware :



X 4



X 4

(between screw and bracket)

### ATTENTION :



Brackets should not be tight. Stop the tightening when the beacon is sufficiently held on the mast.

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*Example of mounting on pole Diam. 60*

## 2 STARTING

The Evoflash beacon has no start button. Beacon is started at connection to solar panel.

### 2.1 CONNECTION SOLAR PANEL / BEACON

Once solar panel and beacon are mounted onto the pole, the beacon is started by connecting the 2 cables.

### 2.2 MODIFYING BEACON'S PARAMETERS

The Evoflash beacon has following factory settings :

PARAMETERS	FACTORY SETTINGS
Flash frequency	55 bpm*
Speed threshold	50 km/h
Detection range	HI

To access the configuration HMI, open the beacon and remove the 2 locking screws :



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## 2.3 CONFIGURATION HMI

### 2.3.1 Modify a parameter



Activate the HLMI by pushing any button during 2 seconds.



When the display shows 3 lines, choose the parameter to modify by pressing the corresponding parameter key:

Posted speed		Speed limit in force. The beacon will start flashing from this speed.
Flashing speed		How fast the beacon will blink. Several configurations are possible.
Detection range		How far the vehicles will be detected.

The value of the parameter is then displayed. Modify the value by pressing HIGH and LOW .

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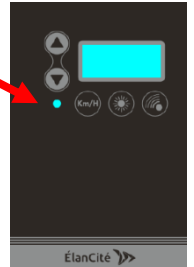
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To validate the new value, simply press the parameter key or do not press any key for 4 seconds.



Remark : for the flash frequency , a LED simulates the flash and speed chosen.



### 2.3.2 Detailed description of buttons and parameters

Icon	Type	Function	Value
	Function button	Setting the trigger speed.	Speed <b>[20 to 199]</b> km/h
	Function button	Setting the radar gain	2 options : <b>HI</b> : normal range <b>LO</b> : short range
	Function button	Setting the blink speed	4 options : 1 : 40 bpm 2 : 75 bpm 3 : 95 bpm 4 : 105 bpm U : Dynamic  (In that mode, the blinking is proportional to the speed)
	Set-up button	Selecting the values	
	LED	Simulates the flash	

*\*Bpm : beats per minute.*