



SAFE TURN Portable Bicycle Indicator

Features:

- No need to learn to use the device, as its use is combined within a cyclists' regular riding style.
- To accommodate for individual riding styles and handlebar types, the base can be adjusted at 15 degree intervals to allow the tilt switch to function at any angle.
- Containing 3 LED's, the Indicator is extremely visible and flashes just as a vehicle/motorcycle does.
- It will keep blinking as long as the cyclists hand is raised.
- It is water resistant, portable, lightweight and has low energy consumption.
- It is CE certified and comes with a 1 year manufacturer's warranty.
- And most importantly, the Safe Turn Indicator promotes safe cycling.

Characteristics:

The Optics

Designed to be visible from a wide range of angles. The LEDs (Light Emitting Diodes) have in-built water-clear lenses to direct the light beams. A grid is incorporated into the top cover of the device to disperse the light. The top cover has a high profile to allow side visibility. The light can be seen from up to 800 metres distance or more - it will depend on the surrounding lighting conditions and the viewing angle.

Ultra-Bright Light

The Light Emitting Diodes used in our device have light intensity of 4,000 mcd (millicandela) each. They are called ultra-bright LEDs. Their brightness is further enhanced by in-built water-clear lenses.

Mechanical Adjustment

An inbuilt self-locking mechanism is inside the base of the device. By turning the top part clockwise on the base, it causes the mechanism to lock itself every 15 degrees. Continue turning until an optimal position is achieved. The optimal result means: the light starts blinking precisely when an out-stretched hand is indicating a turn, and it does not start blinking prematurely or too late.

Electronic 'Delayed Start'

The Delayed Start feature causes the device to start blinking only when the device is in position for more than 200 milliseconds. This electronic function has been implemented to avoid unnecessary blinking caused by vibration, momentary changes in position of your hand, shaking caused by uneven road surface and so on.

Batteries (cells)

'Button cells' are used, these are 1.5V alkaline batteries, known as type AG13 or A76 or equivalent. The batteries included have an expected shelf life of approx. 5 years and can be replaced with any compatible batteries, including silver-oxide and lithium types.



Environmentally Friendly

The tilt switch does not contain any mercury; it is a ball-bearing tilt switch. The batteries (cells) do not contain any mercury, and they are alkaline batteries (more environment-friendly than lithium).

The casing is made of plastic. Aluminium is lightweight and would be an alternative for the bottom part, but production of plastics is more environment-friendly.

The ultra bright Light Emitting Diodes are very energy efficient, so the batteries do not need to be replaced for a long time. Moreover, our LEDs are RoHs compliant - The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive (2002/95/EC).

Long Lasting Components

- The batteries (cells)

The device is designed to be very energy-efficient.

Based on an average 20 indications per day, used every day the batteries will last approximately two years. For casual, less frequent riders they will last longer.

Unlike many other electronic devices, our indicator causes almost no battery drainage when the device is switched off.

- The LEDs (Light Emitting Diodes)

The LEDs used are guaranteed to last at least 100,000 hours of continuous lighting.

- The Main Switch (on/off)

The main switch (the press on/off centre switch) is made of a steel plate. It will typically withstand thousands of operations. It should not break during the lifetime of the device.

- The Tilt Switch

The expected life of a high-quality tilt switch typically exceeds one hundred thousands operations (open-close), and hence the tilt switch should last for the lifetime of the device. To protect this switch, we fit it into a specially designed support stand.

- Mechanical parts and body

The top semi-transparent cover, including the lenses, is made of acrylic (Polymethylmethacrylate - PMMA).

The body of the device is made of ABS (Acrylonitrile Butadiene Styrene).

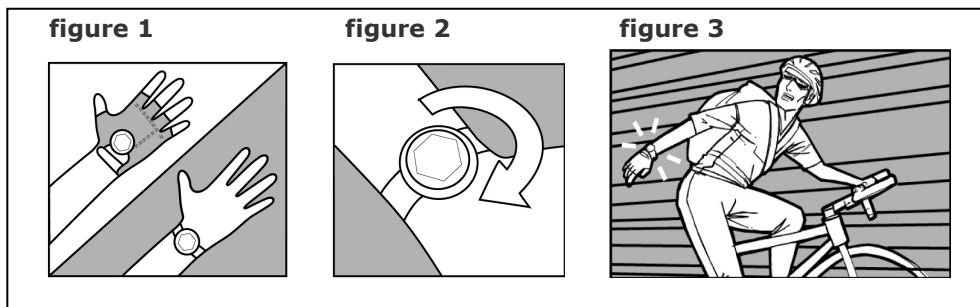
The self-locking adjust mechanism inside the base of the device is made of extra-durable POM (Poly Acetal: Polyoxymethylene).

Water-resistance of our device is achieved with rubber seals.



Directions for Use:

1. Attach the Indicator firmly to the wristband provided or to your glove. Adjust it so that it is located correctly on your wrist (**see figure 1**).
2. To switch on ("stand-by mode"), press the orange top. To switch off, press again.
3. Rotate Indicator in a clockwise motion (**see figure 2**) to adjust the internal tilt switch to its correct position.
4. To test that the tilt switch is in the correct position, place your hand on the handlebars of your bicycle (*the Indicator should not flash*), then raise your hand to indicate a turn (*the Indicator should now flash*) (**see figure 3**). If necessary, continue to rotate the base until you find its correct position.
5. The Indicator will continue to flash for 1 second after returning your hand to the handlebar.
6. To extend the battery life, ensure that you switch off the Indicator after use.
7. Batteries can be replaced by lifting off the top ring to remove the orange top. Align the 3 raised markings found on the top ring, orange top and base to clip back into place correctly.



PLEASE NOTE: DO NOT ADJUST THE SAFE TURN INDICATOR WHILE IN MOTION. ALWAYS GIVE SUFFICIENT NOTICE TO SURROUNDING TRAFFIC BEFORE TURNING.

NOT INTENDED AS A REPLACEMENT OF YOUR BICYCLE LIGHTS OR REFLECTORS. USE ONLY AS DIRECTED. TO THE EXTENT PERMITTED BY LAW, SAFE TURN PTY LTD, ITS CONTRACTORS, AGENTS AND STAFF EXCLUDE ALL LIABILITY FOR ANY LOSS OR DAMAGE WHATSOEVER (INCLUDING SPECIAL, INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGES) ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PRODUCT, WHETHER AT COMMON LAW (INCLUDING IN CONTRACT AND IN TORT INCLUDING NEGLIGENCE), IN EQUITY, PURSUANT TO STATUTE OR OTHERWISE.



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