

HOLD FOR RELEASE UNTIL UTC 04/24/2014 1:00 PM more info <http://daisy.si/>

By Andrej Nastran

Daisy.si - Smart plant waterer crowdfunding Campaign

Poljane, Slovenia, European Union - April 22, 2014 – On Thursday April 24 a new project will be published on the crowdfunding platform indiegogo.com. It is a completely new smart plant waterer that is not yet on the market. It has many advantages over other similar devices and is a small device with endless possibilities.

The device has a valve for dispensing water, soil humidity sensor, a light sensor and a color LED that indicates different information.

A simple description of how it works: for the use of sprinkler we need a source of water - it can be a small vase or a large barrel. We put the tube of the waterer in the container and set the waterer into the soil. The device automatically detects that it is in the soil and it turns on. During the day, it is constantly monitoring the level of humidity in the soil, and if it is necessary, it decides to water – it opens the valve and the water starts to flow from the container. This works for at least two years on two small batteries inside.

What do we gain by using this method of watering: we do not need to constantly monitor the humidity of the soil and water the plants. So we can spend a longer period of time away from the plants but they are still well taken care of. With proper watering we also prevent root rot, moss from accumulating on the surface of the soil, and excessive dryness, withering and poor growth. The device is also very economical and consumes only as much water as the plant needs.

The device is very user-friendly. It turns on automatically when it is set into the soil and also turns off when it is pulled out. The batteries do not need to be changed for at least 2 years. It automatically detects the amount of water and it releases it gradually to avoid spilling. It warns us if it ran out of water. Demanding users can set humidity, amount of water, intervals of watering, etc. through a web site.

In order for everything to work as it should, we have invested a lot of time in developing our own cheap and reliable water valve and in writing an effective program and algorithm for watering.

Development and authors

Product development lasted for 3 years and was born out of our own needs.

Andrej Nastran - developed prototypes, wrote the program, designed the valve, electronics, light communication across the screen, selected components and prepared the device for production

Peter Nastran - the initial idea.

Links:

Indiegogo Campaign preview for Media: <https://www.indiegogo.com/project/preview/b08510fe>

Indiegogo Campaign short link on UTC 04/24/2014 1:00 PM: <http://igg.me/at/daisydotsi>

Indiegogo Campaign short link on UTC 04/24/2014 1:00 PM:

<http://www.indiegogo.com/projects/daisy-si-smart-plant-waterer/>

Product webpage: <http://daisy.si/>

Photos on dropbox: <https://www.dropbox.com/l/lpXjPrL0vUITzX1AVOWI78?>

Main video on youtube: <https://www.youtube.com/watch?v=Tmzeti7KWWA>

Short clip timelapse 1: <https://www.youtube.com/watch?v=jKpo5KrcocU>

Short clip 2 valve calibration: <https://www.youtube.com/watch?v=w6ElvWs7lZc>

Contact

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