

A+ USER INTERFACE MODULE



- Easy installation, no wires by use of RF
- Battery powered
- Up to 6 years without battery change

The 4 button user interface gives you simple control over the ventilation system. This can be an add-on to your existing Genvex system or it can be the main user interface for the ventilation system.

Application

The User Interface module is a device to control ventilation systems in a residential environment. The typical application is to turn on the ventilation system to extract/refresh a certain amount of air in a closed space. Each button represents certain air volume refreshment or a timer functionality.

The LED can indicate feedback that the ventilation system did receive the command but also feedback of the ventilation system on errors can be communicated via the LED. As it is on batteries and wireless there is no need to pull wires. It is very thin and can be placed anywhere on the wall, even next to existing light switches as it fits in with current switch gear.



Technical details

Material

Casing front and back: ABS plastics

Size

84 x 84 x 15 mm (b x h x d) with PEHA design

Power supply

Battery: CR 2032 minimal 6 years*

Communication

Honeywell 868 MHz RF protocol.
Bi-directional communication

Environmental conditions

Operation Temperature: 0...40°C.
Operation humidity: 20...85%

Placement

- Not in metal casings
Preferable not next to other transmitters/receivers

Mounting

On wall (over a flush mounted box)

Certifications

ETSI EN 300 220-1:

- Electromagnetic compatibility and Radio spectrum Matters (ERM)
- Short Range Devices (SRD)
- Radio equipment to be used in the 25 MHz to 1000 MHz frequency range with power levels ranging up to 500 mW
- Part 1: Technical characteristics and test methods"
- For a class 1F application

EN61000-6-3:2007 emission standard, residential, commercial and light industry.

EN61000-6-1:2007 immunity standard, residential, commercial and light industry.

NEN-EN 60730-1:2007

"Automatic electrical controls for household and similar use
Part 1: general requirements".

RohS and WEEE compliant.

* Switch life is 6 years X 365 days X 10 operations = 21900 times

Typical application

As a user interface for a heat recovery unit

- The user can control the heat recovery unit by pressing one of the buttons. Button 1 represents periods of low ventilation demand, when the heat recovery unit will run on lowest capacity.
- Button number 2 represent occupancy of the house or single room. By selecting button two the heat recovery system knows that a person (or more) are in the room or in the house. It will set the speed to a predefined level.
- Button 3 represents a timed boost mode. When the button is pressed the heat recovery unit will go to maximum speed for a certain time, typically 30 minutes. By pressing the button twice within two seconds (= 2x 30 min) the heat recovery unit will go to maximum speed for 60 minutes. And by pressing the button twice within 3 seconds (= 3x30 min) the heat recovery unit will go to maximum speed for 90 minutes.
- Button 4 represent the automatic mode. When the button is pressed the heat recovery unit will react on connected sensors.
- The LED will give feedback, e.g. it will flash green shortly when the heat recovery has received the command.
- It will flash red within a certain time when the simple user interface didn't receive a command back from the heat recovery unit.