



FOX101 | Fox TOUCH

Instruction manual

Version 1.0 | 2016

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1 | Terms of use

We would like to thank you for choosing equipment from Nexwell Engineering.

The author made a great effort that the contained information in this document are accurate and reliable, but cannot be held responsible for the improper use of this manual, including the destruction or damage of the equipment.

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Available material can be copied in parts or completely for private use only.

Due to the product development, the manufacturer reserves the right to do changes.

For any questions or concerns regarding the operation of Nexwell devices, please contact: biuro.techniczne@nexwell.eu

Nexwell Engineering does not accept any liability deriving from the usage of the devices. Installations need to be carried out in accordance with all applicable standards for electrical safety conditions.

All connection work shall be done without any power supply.

You can find the current version of the instruction manual on the producer's website www.nexwell.eu

Important!

RESPONSIBILITY

Nexwell products are not intended for the use in: medical purposes as a direct threat and sustaining life and human health; industrial purposes, referring to controlling of critical for safety reasons, of technological processes and their safety systems, and in other applications, whose failure could danger human lives or cause environmental disasters.

INSTALLATION PLACE

Nexwell products shall be installed where the access is possible without any special equipment (e. g. ladders), and in that way the assembly or disassembly does not result in any material losses (e. g. do not immure it).

PACKAGING AND UTILIZATION

The products are packaged in biodegradable, environmentally-friendly, separable cardboard materials, and protecting ESD foil.

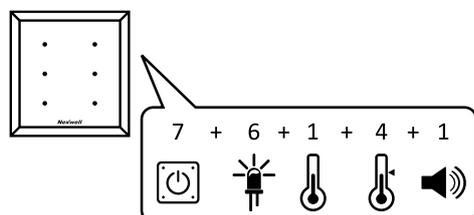
Disposal of waste of used electrical and electronic equipment (for the European Union and other European countries with separate collection systems) the European Directive 2002/96/EC on Waste Electrical & Electronic Equipment (WEEE) enunciates a ban on disposing used electrical and electronic equipment together with other waste as municipal waste – you could get fined. According to the law, used devices must be collected separately and sorted. The thwarted “trash” symbol on the product reminds you of your obligation of special sorting. Consumers should contact their local authority or retailer for information concerning the proceeding with used electrical and electronic equipment.



2 | Overview

Usage

The manipulator Fox TOUCH is a device working as a multi-functional wall switch. It is equipped with six touch fields and a temperature sensor.



Definitions

Icon – engraved symbol on the touch field representing a programmed function. This symbol may be highlighted in white (light-blue) or red colour, depending on how it is programmed.

Touch fields – glass surface recognizing finger touches

Thermostat – programmed function which is connected through the software to the device temperature sensor

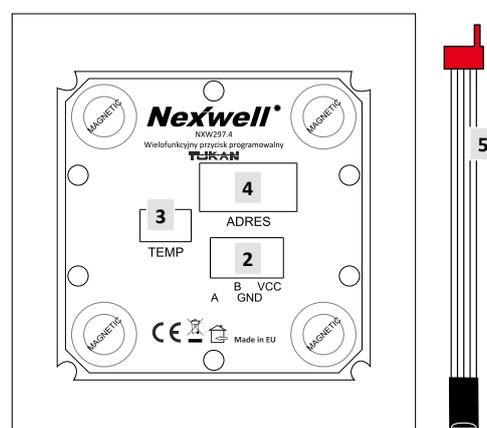
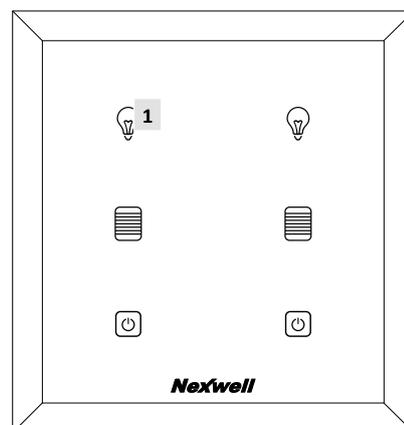
Magnetic fastener – the fastener of the manipulator is made of aluminium, and the installation box out of magnetic steel, which allows an easy installation of both components on the wall.

Fox BUS inputs – the Fox BUS inputs possess two data lines as well as +/- 24 VDC power supply.

Physical characteristics

- Touch fields
 - Number of icons: 6
 - Icon background lighting: Yes
 - Colours of the background lighting: blue, red
 - Night lighting function: Yes
 - Function to switch background lighting at night on/off: Yes
- Thermometer: 1
- Thermostat: 4
- Speakers: 1
- Power supply: 24 VDC
- Power consumption: 125 mA (LED off)
- Communication: Fox BUS
- Addressing module: DIP switches
- Dimensions glass pane: 100x107 mm
- Installation: flush-mounting
- Installation box: 92x92x45 mm

Description of the device



1. Touch fields
2. Fox BUS connector
3. Connection temperature sensor
4. Module address switches
5. Temperature sensor

Meaning of the address module switches

- 1-5 – address
- 7 – F1 – inactive
- 8 – LED On/Off – switching background lighting at night on/off

The manipulator Fox TOUCH in the Fox system

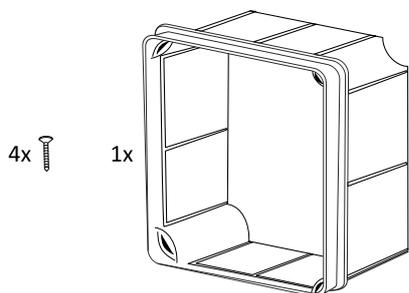
The device Fox TOUCH needs to be connected to the other system components via a Fox bus cable. After a successful connection and addressing, the device shall be configured through the FoxMaker application.



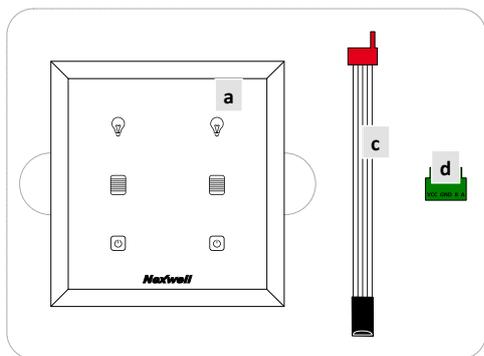
3 | Installation and connection

The manipulator elements are supplied in two sets:

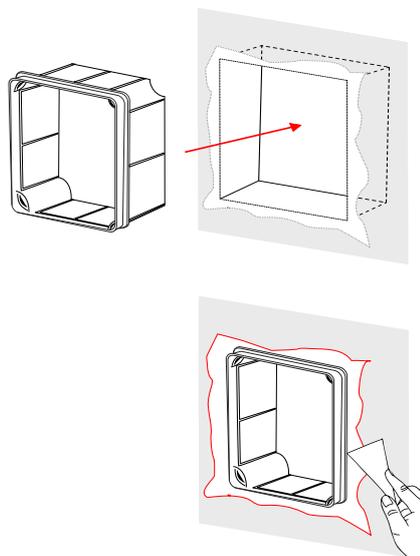
1. Installation box + 4 screws



2. Box with the manipulator. In the box there is:
 - a) Manipulator Fox TOUCH
 - b) Magnetic fastener (on the back of the manipulator)
 - c) Temperature sensor
 - d) Bus connector
 - e) Mounting template for the installation box on the wall

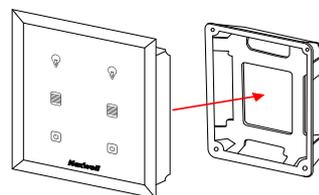


2. Place the installation box into the prepared hole, then fettle the hole in the wall



WARNING
 Please ensure to drag the communication cable through the side openings of the box
 Carefully fill gypsum in all the gaps, and after drying fettle the hole
 The installation box needs mounted horizontal and even with the wall

3. After the placing you should put the magnetic fastener into the installation box. To do so, please remove the fastener from the manipulator.

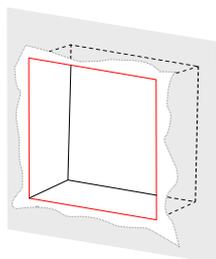


Installation

The manipulator Fox TOUCH is a device of the Fox BUS. **The installation work should done without any power supply.**

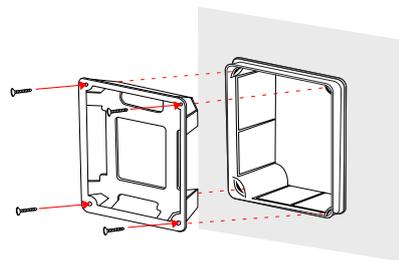
Connection

1. Prepare a suitable hole for mounting the installation box, ensure that the whole box is fitting inside.

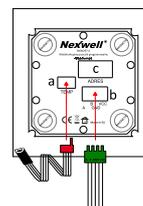


WARNING
 The hole shall be on each side at least five millimetres larger than the box; dimensions of the installation box (width/height/depth [mm]): 92/92/45

4. Afterwards screw the magnetic fastener with the help of the four screws.

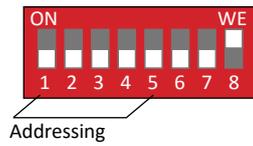


5. Connect the device the cable of the temperature sensor, and install the connector including the communication cable.

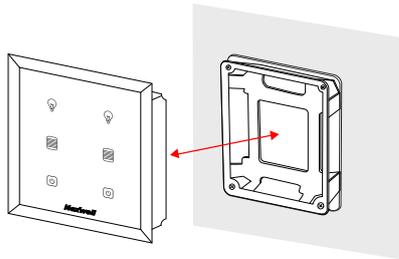


6. Before turning on the device, an address needs to be set. The addressing is done by changing the state of the switches on the backside of the manipulator – switch addressing [1-5] (see figure).

In the project documentation you should note the device's address and its location in the building.



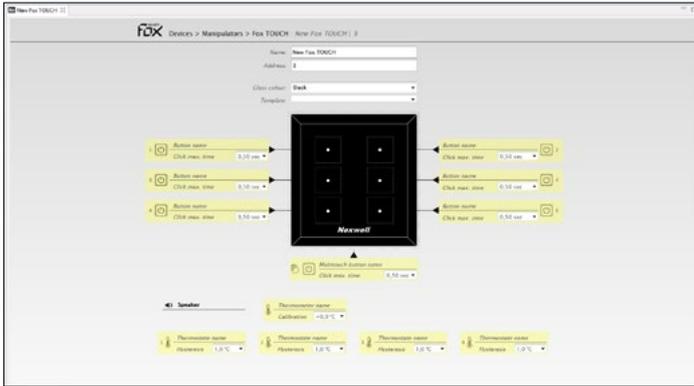
7. Finally, put the manipulator into the magnetic fastener.



4 | Configuration

The device Fox TOUCH needs to be configured through a computer and the application FoxMaker. It is a licensed freeware, and can be found on the producer's website www.nexwell.eu

1. The first step is to add a new device, in this case Fox TOUCH, assign an unique name, and set the identical address, which was given during connecting the device, then choose the colour. Additionally, you can use the pre-defined icons or select icons individually.



Screenshot FoxMaker – editor configuration Fox TOUCH

2. Configuration of the touch fields. The manipulator Fox TOUCH possesses six touch fields, which are symbolized by icons. Also, there is the multi-touch function, which is activated by touching at least 50 % of the touch fields of the manipulator. To configure these fields, you need to name them uniquely, and select the maximum click time.

3. Configuration of the speaker. To configure a speaker, you need to give it an unique name. The speaker will be added automatically with a default name meanwhile you are adding the Fox TOUCH.
4. Configuration of the thermostat. To configure the thermostat, you need to give it an unique name, and select the hysteresis. The hysteresis determines the thermostat's inertia reaction to cross the threshold set by the the temperature.



Screenshot FoxMaker – configuration of speaker, thermometer and thermostats

5. The complete project can be added to the Fox system.

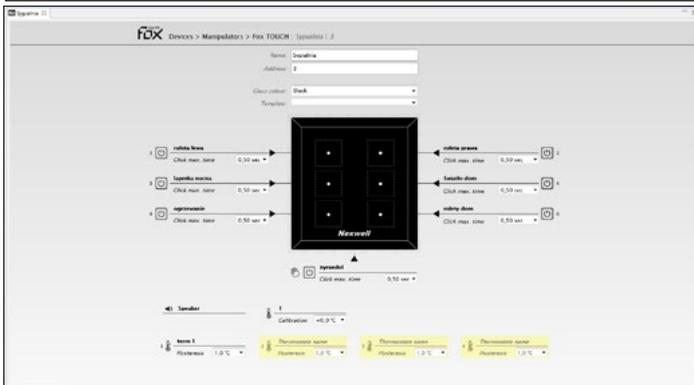
WARNING

For further details on creating and uploading a project to the Fox system, have a look on the documents of the FoxMaker. The current version can be downloaded from the producer's website: www.nexwell.eu

WARNING

Up to seven buttons (six single, one multi-touch), one thermometer, four thermostats and one speaker can be configured. Any not configured inputs/outputs are marked in yellow colour – after their configuration/usage the colour disappears.

Maximum click time – maximum time that the user touches a button, in which the device executes the task for clicking, not for holding.



Screenshot FoxMaker – configuration of the buttons

