



## Who should install an IntelliSwitch Bathroom Controller™?

We recommend installation by a **registered electrician**. Dangerous voltages (230VAC) are present on the product and in the house cabling. No responsibility will be taken by eSource Products Ltd for damages or injury caused by incorrect installation or installation by an unqualified person/s.

### Ratings

Operational voltage	100-240 VAC @ 50-60 Hz
Load capacity	6A total Res., 3A Ind. 240VAC
Operating Temp	-10°C to 30°C
Compliance	Being Sought

## Installation instructions

1. Electrically isolate the existing switch or socket by **switching off mains to the entire house** at the fuse box.
2. Remove the screw cover of the existing plate, and unscrew the mounting screws.
3. **Before** removing the existing plate and disconnecting the attached wires, look to see how the existing switch is wired to the house wiring.

Identify the phase (red) and neutral (black) wires from the house, and the phase (red or brown) and neutral (black or blue) coming from the loads (light circuit, fan circuit and towel rail circuit). Label them if needed.

4. Connect the house phase and neutral wires to the phase and neutral screw terminals on the back of the IntelliSwitch, and then the phase wires for each of the 3 loads (light circuit, fan circuit and towel rail circuit). Lastly use the included cable joiners to connect the load Neutral wires to the house neutral and then the load earth wires to the house earth wire.



**Do not over tighten the screw terminals!**

## Installation in wet areas (Zone 2)

IP4X type protection can be achieved by running a thin bead of sealant (RTV) along the back of the IntelliSwitch™ housing before screwing it securely to a flat, smooth, non porous surface. Care should be taken when mounting to ensure that water cannot bypass the sealant perimeter and come into contact with live parts.

## User Instructions

### Important notes

The LEDs on the keypad shine brightly when its daytime and then dim once the room gets dark. This is to make them more visible during the day but not too bright in the middle of the night and illuminating the room by themselves.

We have also added a battery backed clock so if the power goes out the unit returns to the same settings and correct time when the power is re connected (it keeps time for a week).

### Light functions

Pressing the light button cycles through the options of 5 minutes manual countdown, 15 minutes manual countdown, auto 1 minute (no time LED lit), auto 5 minutes and auto 15 minutes. The first 2 are *one time only* timers that run for 5 or 15 minutes once you press the button. The other 3 are countdown timers operated by the built in movement and humidity sensors and the light runs for a minimum of 1, 5 or 15 minutes. If it senses more movement or a sharp rise in humidity (a shower running does that) within the last minute of operation it adds a further 1 minute until all movement has stopped or a drop in humidity (i.e. there is no one in the room). You can still press the light button momentarily to get 15 minutes of light one time if needed even when an auto mode is selected.

As is usual for an Intelliswitch one minute before the light goes out the lights flick off and on and the LEDs on the keypad flash to warn you.

If you don't want the light anymore a quick press of the button cancels the lights. If its set to one of the auto modes press and hold the button for 3 seconds to cancel the selected mode.

See our options section below for the Shower timer function built into the light switch.

### Fan functions

Pressing the fan button cycles through the options of 20 minutes manual countdown, movement mode, humidity mode or both. The first mode is a *one time 20 minute* manual count down timer that runs once the button has been pressed. The other 2 modes operate the fan when either (or both if selected) movement or a rise in humidity is detected. The fan runs for a minimum of 8 minutes but may run up to 30 minutes if the humidity takes longer to reduce or there is more movement in the room. You can still press the fan button momentarily to get 20 minutes of fan time if needed even when an auto mode is selected.

As is usual for an Intelliswitch one minute before the fan goes off the LEDs on the keypad flash to warn you.

If you don't want the auto fan anymore a quick press of the button cancels the fan and it won't come on automatically for a further 3 minutes, giving you time to exit the room without activating the fan. If its set to one of the auto modes press and hold the button for 3 seconds to cancel the selected mode.

See our options section below for the no auto fan at night function built into the fan switch.

## Heated towel rail timer

### How to set the mode

The IntelliSwitch has a range of daily timer options. Decide which option best suits your home.

#### A. 3 hrs only

1. Press the button once, the first LED is on. The towel rail runs for 3 hours and then stays off.

#### B. 5hrs once daily

2. Press the button twice, the second LED is on. The towel rail runs for 5 hrs on, 19 hrs off daily.

#### C. 4 hrs on twice daily

3. Press the button three times, the third LED is on. The towel rail runs for 4 hrs on, 8 hrs off twice daily.

#### D. 6 hrs on twice daily

4. Press the button four times, the fourth LED is on. The towel rail runs for 6 hrs on, 6 hrs off daily.

#### E. Auto Mode

5. Press the button five times, the fifth LED is on. The towel rail only runs when a sharp increase in humidity happens (shower running) and then it runs for 3 hours. It also runs for 30 minutes every 5 times movement is detected (and then the room vacated for at least a minute) in the room.

#### F. Boost (extra time)

6. Pressing the button again anytime adds 4 hours to your chosen cycle, once. Boost mode is indicated by the LED corresponding to the chosen mode flashing 3 times

### How to turn off

1. Press and hold the towel rail button for 3 seconds.

See our options section below for the timer start countdown timer and frost function built into the towel rail timer.

### Options

These allow you to customise your IntelliSwitch.

Please note that you have to re set up your preferred switch settings once you have finished setting an option.

**Shower timer function:** Pressing the *light* button for 10 seconds shows all the LEDs lit and then removing your finger from the button only the top light LED lit and this indicates that the shower timer is active. Pressing again momentarily cycles the feature off and on. After 10 seconds the switch returns to normal operation. If selected one minute after the humidity rises suddenly (when the shower is running) the bathroom light flicks off and on for one second, a minute later it flicks off and on twice. It carries on up until 8 minutes or until the humidity drops. By default, this feature is inactive. Please note that due to a number of factors including fan size, switch location and shower type this feature may not work in your house or it may activate the shower timer when the shower is not running. If this is the case we suggest not using this feature.

**No auto fan at night function:** Pressing the *fan* button for 10 seconds shows all the LEDs lit and then removing your finger from the button only the middle fan LED is lit and this indicates that the no auto fan at night function is active. Pressing again momentarily cycles the feature off and on. After 10 seconds the switch returns to normal operation. This means that if auto movement mode is selected the fan will not turn on automatically at night. You can still manually override this feature by pressing the button momentarily for

20 minutes of fan time if you wish. By default, this feature is inactive

**Frost function:** Pressing the *towel rail* button for 10 seconds shows all the LEDs lit and then removing your finger from the button only the bottom towel rail LED is lit and this indicates that the frost function is active. Pressing again momentarily cycles the feature off and on. After 10 seconds the switch returns to normal operation. This means that if the room temperature drops below 3 degrees the towel rail will turn on to try to get the room temperature above 5 degrees, where it will turn off. By default, this feature is inactive

**Towel Rail Timer start delay:** With no LEDs lit on the towel rail part of the IntelliSwitch, pressing the towel rail timer allows you to select the cycle that will be started after the delay ends. Don't select Auto as that is not a cycle timer. The selected cycle flashes the selected mode LED. **Pressing both the fan and towel rail buttons together** for 10 seconds shows all 11 LEDs lit and this indicates that timer start delay is active. You now have 20 seconds to repeatedly press the light button to set the number of hours delay before the timer starts its cycle, i.e. if 11 LEDs are lit then your selected cycle will start 11 hours from now, if the bottom 5 LEDs are lit then the delay will be 5 hours (no LEDs lit cancels the delayed start function). The selected mode LED flashes whilst the countdown is happening.

### Warranty

IntelliSwitch™ switches are warranted against manufacturing faults for 2 years from date of purchase. eSource Products Ltd. is only liable for replacement or repair of the faulty unit and is not liable for any subsequent damages caused or costs incurred. Refer any servicing questions to the supplier you bought it from or call eSource Products Ltd.

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