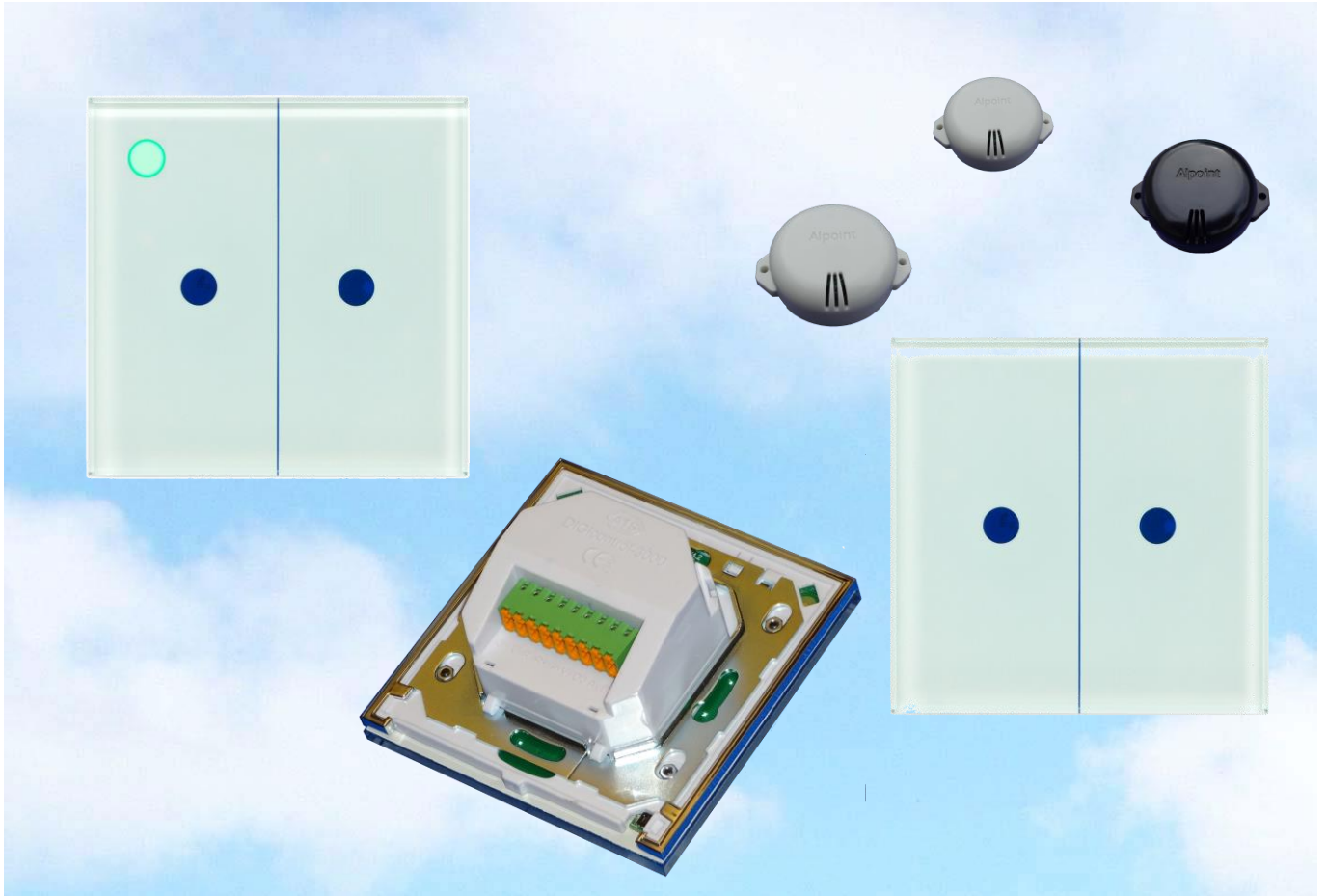


# Light control

# Crystal glass light switch



## DIGIcontrol-TQ2/-TB2

- 2 new members of the famous TN2 light switch
- -TQ2 with additional VOC air quality sensor & LED
- -TB2 includes a BLS sensor gateway for 5 BLE-Sensors
- Tempered crystal glass light switch
- 2 capacitive touch keys
- 4 swipe key areas for up/down & left/right
- 2 configurable feedback LED's
- High precision temperature & humidity sensor
- 2 supervised digital inputs
- Configurable feedback & alarm buzzer
- AES encrypted high security Bus (IBB/S) interface

# DIGIcontrol-TQ2/-TB2 Advanced multifunction light switch

Excellent air quality is one of the most important tasks of modern building technology today. Two new members of our famous DIGIcontrol-TN2 glass light switches was build for this purpose.

The **DIGIcontrol-TQ2** features an additional TVOC air quality sensor with LED display for controlling ventilation systems or for prompting windows to be open.

The **DIGIcontrol-TB2** integrates in addition to all -TN2 light switch functions, also a small BLE sensor gateway for max. five BLE-Sensors in up to 30m distance.

Together with high precision temperature & humidity sensor makes single room temperature control and monitoring very easy without the need of additional units, installation and maintenance costs. The V4 reporting system for all additional BLE- or TVOC sensor, allows individual reporting intervals with min, max and average measurement values for long time environmental monitoring.

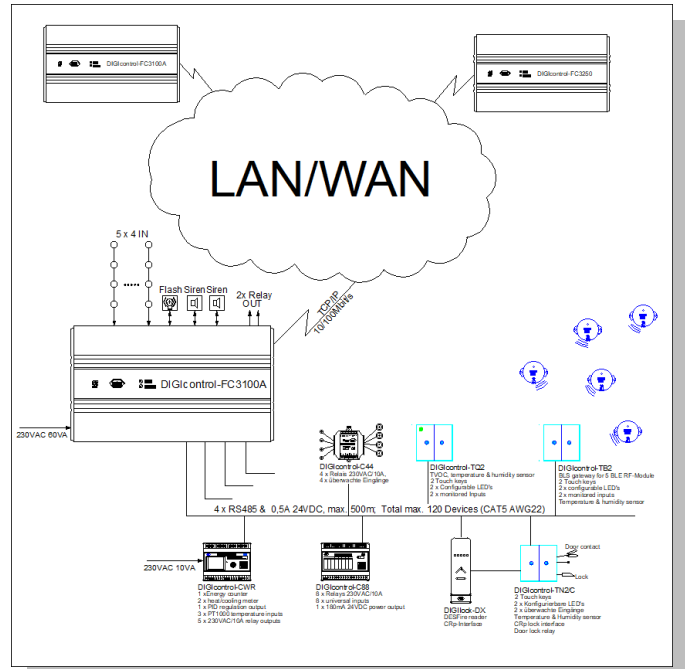
Both versions incorporate “swipe function” for up/down and left/right command to steer shades, curtains and light scenes.

The outstanding glass surface design with touch sensor technology in a light switch form factor allows an easy installation in a standard light switch Box. The tempered crystal glass only front ensures an easy cleaning and long time without any symptoms of age.

Each touch key position includes a single colour LED which is individual configurable with the feedback light circuit and operation mode. An integrated buzzer gives a feedback when a key or a swipe function is executed. The buzzer can also be configured with any system wide alarm function with an alternate beep signal.

Two supervised digital inputs can be used for door contact, alarm inputs, egress button or other useful functions.

A removable connector on the back box allows an easy installation to interface with the **Intelligent Building Bus (IBB/S)** and the two monitored inputs. The ATS-click mounting method makes installations easy & secure. A special chromed frame allows a secure and gapless wall joint for a perfect look.



## Technical Data

### DIGIcontrol-TQ2/ -TB2:

32-bit ARM Cortex-M4 & ARM Cortex-M0+ CPU (Touch)

Memory: 256kb Flash & 32kB SRAM

IBB/S network interface

1 BLS gateway for up to 5 BLE environment sensors w. a total of

10 analogue values for temperature humidity (-TB2 only)

1 Sensirion SGP40 VOC air quality sensor with separate

3 colour LED to show air actual air quality (-TQ2 only)

1 High-End calibrated digital humidity & temperature sensor  
humidity  $\pm 1,8\%RH$  (10-90%), temperature  $\pm 0,2^{\circ}C$  (0-60 $^{\circ}C$ )

2 supervised digital inputs

2 Blue configurable feedback LED's

2 Touch keys, 4 Swipe areas

V4 analogue reporting system for all analogue values

2 internal service inputs for tamper and bus voltage

Operating temperature:  $-10^{\circ}$  to  $+45^{\circ}C$

Dimensions: W82 x H82 x D8,5 mm

Power: 10,5-23 VDC from IBB Supply / 30mA max.

### Delivery Contents:

DIGIcontrol-TB2 /-TQ2 complete with installation and wiring instructions

### Options:

**DIGIcontrol-Tx2/b** Optional black glass surface

#### AIpoint-BTH

Battery operated temperature and humidity sensor module.

Range: Up to 50m in free space (indoor typical 30m)

Accuracy:  $\pm 2\%RH$  and  $\pm 0,2^{\circ}C$ ;

Dimensions:  $\varnothing 50mm$  x D20 mm

Battery: C2477 with more than 3-years operation included

#### AIpoint-BWS

As AIpoint-BTH but with a water leak sensor instead

Information contained in this document is correct at time of publication (030321) and subject to change without notice.

**Austrian Technical Systems**

**ATS**

Werk Wienerwald +43-2238-700-05, <http://www.ats.co.at>