

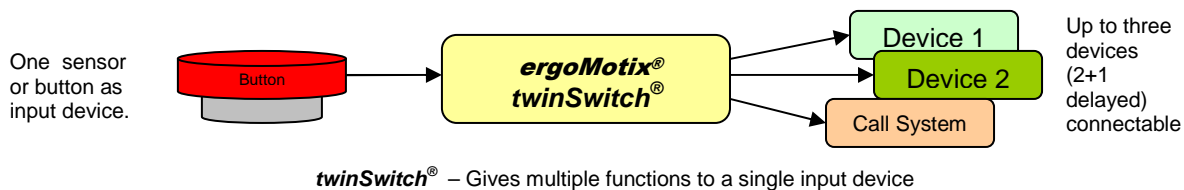
## twinSwitch® - extending possibilities

Severely disabled people, who due to their limited mobility, depend on technology for daily living, are often challenged and stressed by the difficult operability of these devices.

### twinSwitch® helps solving this problem:

**twinSwitch® mini** triples the function of a single button without needing an external power supply. At 32,5g it is extremely easy and fast to set up, as long as all connections are established as TS, also well known as audio jacks, a de facto standard in the rehabilitation business.

As further products of the **twinSwitch® family**, **twinSwitch® pager** and **twinSwitch® save** also add value for active sensors like the ergoMotix **Leonardo II** proximity switch. This flexibility allows the user to control things e.g. by tongue, lip or another mobile part of the body. With this sensor the risk of inappropriate health care is minimized. The higher prime cost of these services pay off soon. Their value is high because of the high reinstatement potential. **twinSwitch® pager** and **twinSwitch® safe** are prepared for the advanced capabilities of these active sensors and offer protection against cable breakage, power outage and detached plug connections. This is important especially in the care environment. Because of the programmability of the **twinSwitch®** products, the special needs of the highly disabled user can be optimally met.



**twinSwitch®** is available in three different versions...

### twinSwitch® pager:

For the application at home. Normally used from the bed or from the electric wheelchair. Controls two devices plus triggers a pager (up to 500 meter range). Active sensors connectable. Protection against cable breakage, power outage and detached plug connections.

### twinSwitch® safe:

Designed for the use in hospitals and care homes. Controls two devices plus triggers a nurse call system (special adapters / accessories needed). Active sensors supported. Protection against cable breakage, power outage and detached plug connections.

### twinSwitch® mini:

Smart, small and light weight (32,2 g) device. Independent from external power supply. Plug and play installation with TS (tip, sleeve) connectors. Long life (up to multiple years) with a CR2032 battery. Alerts for low battery.

### How does it work?

The transfer process between device 1 and device 2 (out1/out2) happens via a longer activation (6 sec.) of a neutral function of the currently controlled device and by releasing it within a determined time window (accompanied by a long tone). If there is no neutral function, like switching something on and of, then the activation needs to be done twice (e.g. first switching off and then on again) while the second activation needs to be done 6 seconds. The output exchange will not take effect until the next



# ergoMotix®

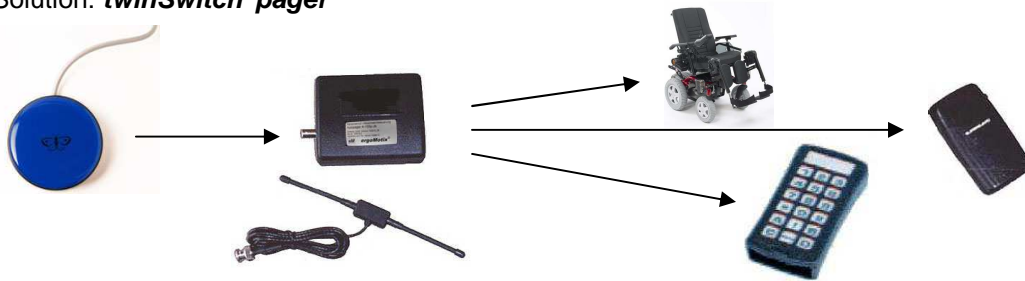
activation of the input device. The attached devices to out1 or out2 are controllable in the pass-through-mode. In other words, the output follows the input activation at once, without any time delay and exactly as long as the input device is activated. This last mentioned feature is very important for scanning procedures, which are very common in the electronic aids business. Consider that activation times longer than 6 seconds are very uncommon. Examples for longer activations include controlling the TV volume or adjusting the backrest of a bed. Also, experience has shown that there is often demand for a third, rarely used simple trigger output, e.g. in order to operate a pager, call a nurse or to simply switch something on, like the power of a wheelchair. All three **twinSwitch®** systems cover this demand by just activating the input device longer than 8 seconds.

With **Switch® safe** it is also possible to monitor the connection to a nurse call system, independent of the respective vendor. Broken cables or disconnected plug connections would automatically cause an alert. Also **twinSwitch® pager** offers this kind safety technology, by automatic alert in cases of power loss, detached plug connections or an out of range situation.

## Example **twinSwitch® pager** :

The user wants to switch on or off his electrical wheelchair and wants to be able to trigger a wireless pager and to use an environmental control system, all at once. These operations are supposed to happen with just one easy-to-use.

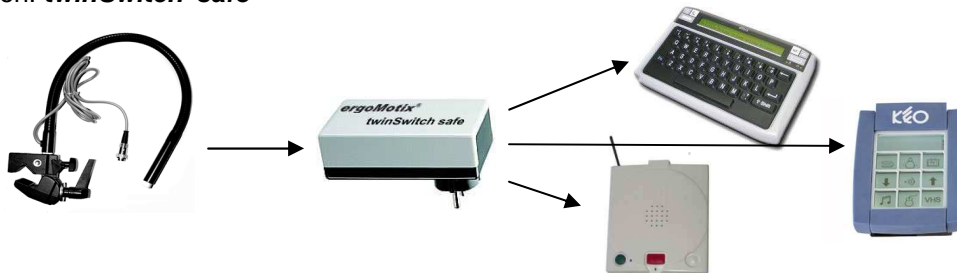
Solution: **twinSwitch® pager**



## Example **twinSwitch® safe** :

A bed-ridden person wants to manage in a reliable way (protected against electricity failure, cable damage and loose plugs) his environmental control system, his telecare phone and his talker, a communication device which is controlled by scanning method. All these operations shall be managed with a single gooseneck -aproximity - sensor.

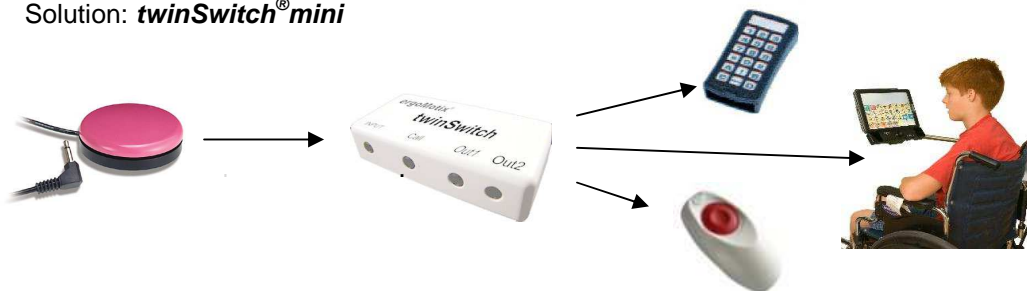
Solution: **twinSwitch® safe**



## Exsample **twinSwitch® mini**:

The user is able to only manage a single BuddyButton and uses a manual wheelchair without any power supply. He wants to trigger a telecare phone and to control two devices by scanning method: an environmental control and a communication device.

Solution: **twinSwitch® mini**



**twinSwitch®**: Flexibility, safety and efficiency that extends possibilities

[www.ergoMotix.com](http://www.ergoMotix.com)