

2ENTRY Helios secondary switch

Order no. 9135250E



Description

The purpose of this module is to extend the **2ENTRY Helios** door communicator with another switch, e.g., for switching the electric door to locked. Comparing it to the previous switch versions this one contains several modifications. It gives you features like unlimited time switching or permanent switch during the time of the call. Thanks to the switching device - latching relay – it is now possible for switching the low voltage logical inputs of e.g. gate and barrier control systems. Both normally open (NO) and normally closed (NC) contacts are available.

Caution:

Before installing the module, make sure that the current and voltage limits of the module will not be exceeded in your application (refer to the Technical Parameters chapter). **In no case use this module for mains voltage switching!**

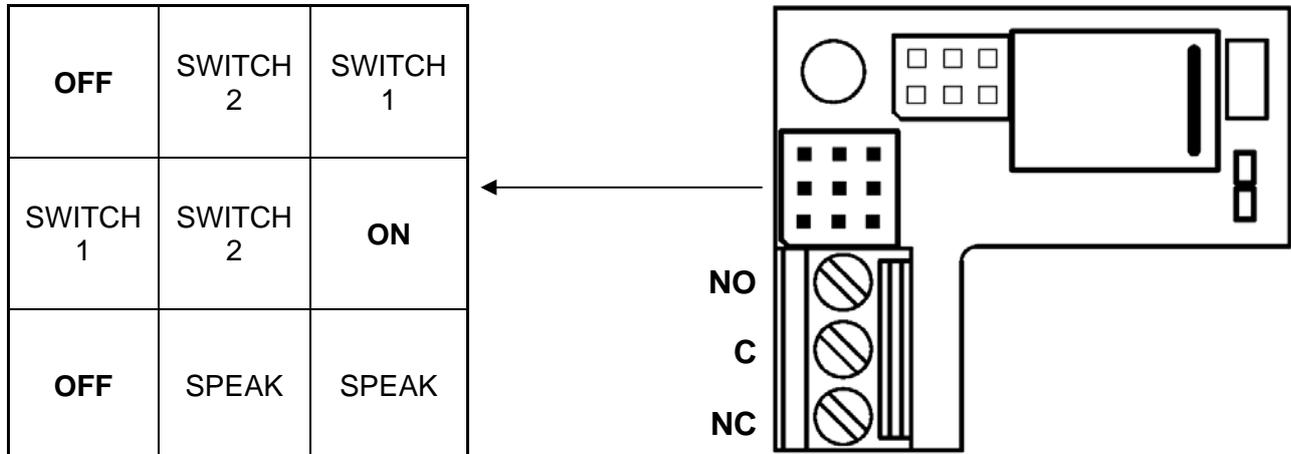
Installation

1. Remove the screw from the left bottom side of the main communicator board.
2. Insert the switch connector onto the contact moulding (next to the hole for screw).
3. Insert a spacer ring between the communicator main board and the switch board and hold the boards tightly together to the plastic back using the screw provided with the switch.



Configuration

By using the connectors (jumpers) it is possible to set what kind of event should switch react by closing or opening the contact. The switch can react to three different events: switch on/off of the SWITCH 1, switch on/off of the SWITCH 2 and pick up/hang the telephone line (means beginning and end of the call).



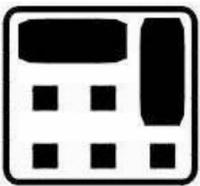
The switch input is available both normally open (between clips **NO** and **C**) as well as normally closed contact (between clips **C** and **NC**).

Example 1 – switch operation by using password for SWITCH 2:



Switching on and off is set to SWITCH 2. Switch will close after receiving password for SWITCH 2 (parameter **821**) and open after the switching time for SWITCH 2 (parameter **823**) will elapse. In case of setting parameter **824** to non-zero value, will be also synchronized with SWITCH 1 (explained in the communicator manual).

Example 2 – switch operation for unlimited time:



Switch closure is set to SWITCH 1, switch opening to SWITCH 2. The switch will close when it has received the password for SWITCH 1 and will remain closed until the communicator has received the password for SWITCH 2 and until the switching time of SWITCH 2 elapses (parameter **823**, it is recommended to set this parameter as low as possible, which is 1s).

Example 3 – switch closure for the duration of the call:



Closure and opening is set to SPEAK. The switch will close when the line is picked up and open when hung up. For the duration of the call the switch will be closed.

Technical Parameters

Switching device	Latching relay
Max. switching voltage	60V AC, DC
Max. switching current	2A AC, DC
Max. switching power	60VA / 30W