

2ENTRY Helios secondary switch

Order no. 9135250E



Description

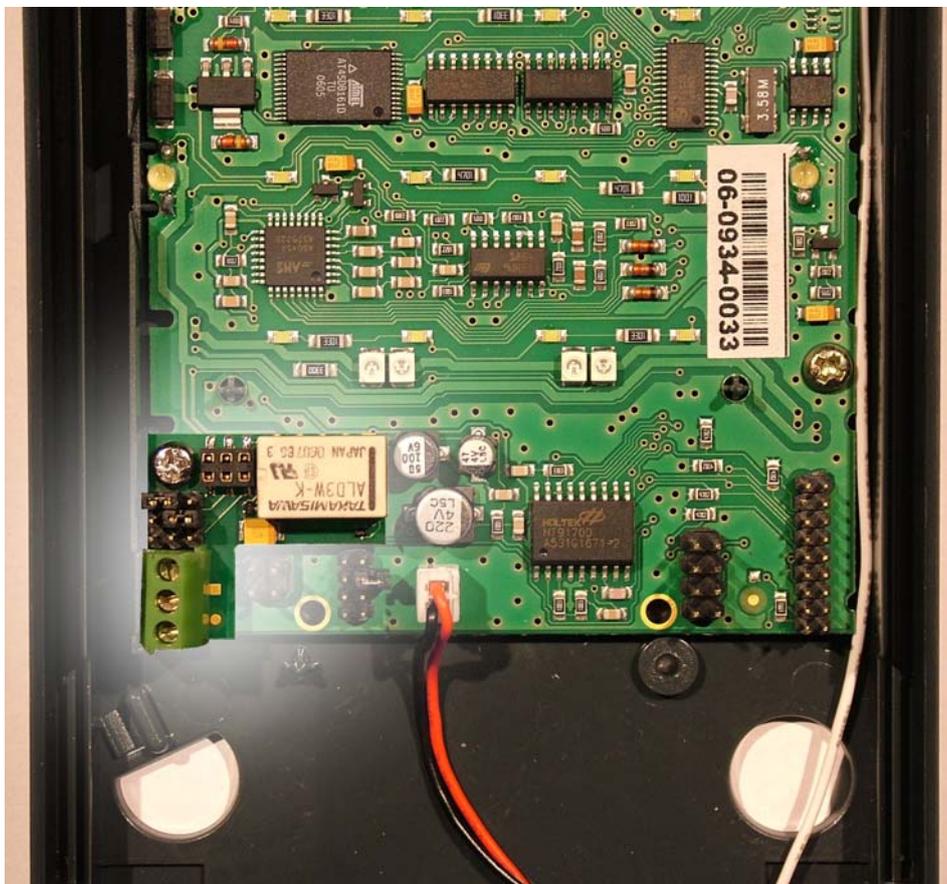
The purpose of this module is to extend the **2ENTRY Helios** door communicator with another switch, e.g., for switching the electric door to locked. Comparing it to the previous switch versions this one contains several modifications. It gives you features like unlimited time switching or permanent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

Caution:

Make sure that before installing the module the current consumption and rated voltage of the equipment is switched to lock and are within the ranges of the admissible switch current and voltage values (refer to the Technical Parameters). **In no case use this module for mains voltage switching!**

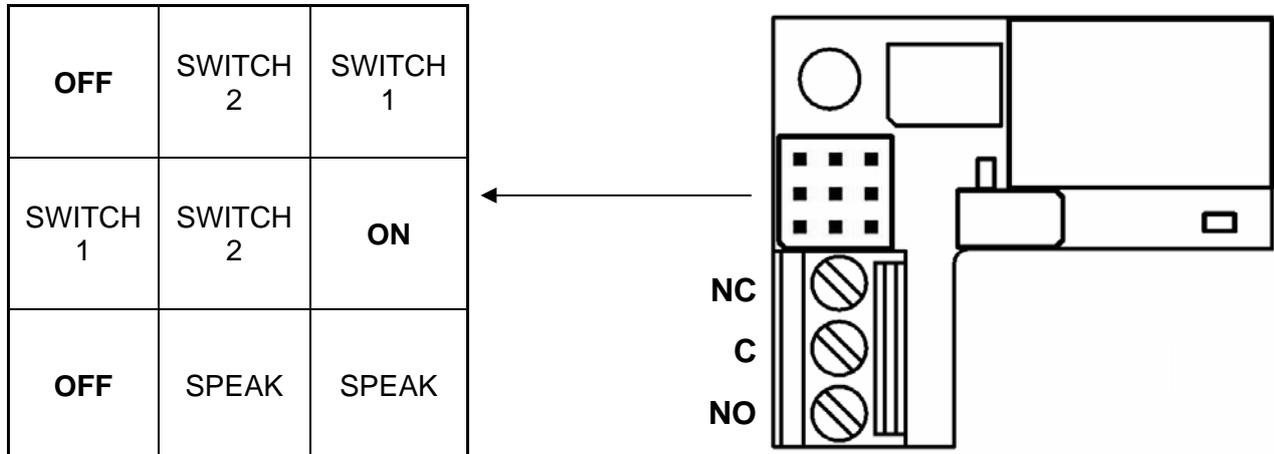
Installation

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 whole for screw).
3. Between the communicator main board and the switch board, insert a spacer ring and hold the board tightly together to the plastic back using screw provided with the switch.



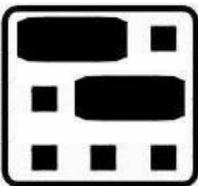
Configuration

By using the connectors (jumpers) it is possible to set what kind of event should switch react by closing or opening contact. The switch can react to three different events: switch on/switch off SWITCH 1, switch on/switch off 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 clip **C** and **NO**) as well as normally closed contact (between clip **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 switching time for SWITCH 2 (parameter **823**). In case of setting parameter **824** to 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 to time as short 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 disconnect when hung up. For the duration of the call the switch will be closed.

Technical Parameters

Switching element	Memory relay
Max. switching tension	60V AC, DC
Max. switching electric current	2A AC, DC
Max. switching output	60VA / 30W