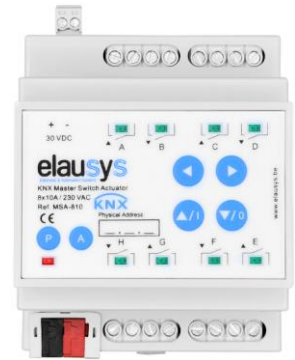


MSA-810

KNX master switch actuator 8 x 10 A

Install the actuator system and verify your first switching channel in ETS.



01 Plan and mount the system

Electrical specialists only. Isolate all supplies before mounting or wiring. Fit the master (4 DIN units) at the left, then extensions to its right on one row. Join the side connectors with power off. Allow up to 8 extensions, 72 outputs overall and no more than 40 switching channels rated 10 A.

02 Connect the supplies and loads

Connect KNX and external 30 VDC with the marked polarity. Reserve the PS-640 auxiliary output for this system when used. Follow module wiring diagrams and provide circuit protection. Never mix mains and extra-low-voltage loads within a pair of channels (A/B, C/D, E/F, G/H).

03 Address the physical extensions

Turn on auxiliary power. Wait for startup blinking to stop (about 10 s). Hold A on the master for 3 s. Its LEDs blink during addressing. Briefly press A on each extension, from left to right. Each blinks 3 times. Briefly press A on the master to finish. Skip this step if no extensions are fitted.

04 Configure and download in ETS

Add the MSA-810 application and assign a free physical address. Select extensions in physical order, then virtual logic modules if required. Large extensions use 2 or 3 ETS positions. Set channel functions and safety reactions. Link command and feedback objects to matching group addresses. With KNX and 30 VDC on, press P (red LED on) and perform a full download.

05 Verify channel operation

Top arrow buttons select a channel (LED blinks); lower buttons operate it. Before ETS configuration, never switch both motor directions on together. In ETS Group Monitor, send ON/OFF to a switching channel. Check the load and State On/Off feedback. Test all extensions and configured safety reactions. For shutters/blinds, measure travel and slat times and enter them in ETS.

No response or wrong channel?

Check auxiliary power, KNX, extension addressing and the physical order in ETS. Check the application download, group addresses, Block objects and configured delays. For local operation, check Manual Control in ETS. Isolate power before rewiring.