

## SIENNA® SAM2 Sensor+Actuator for motor control

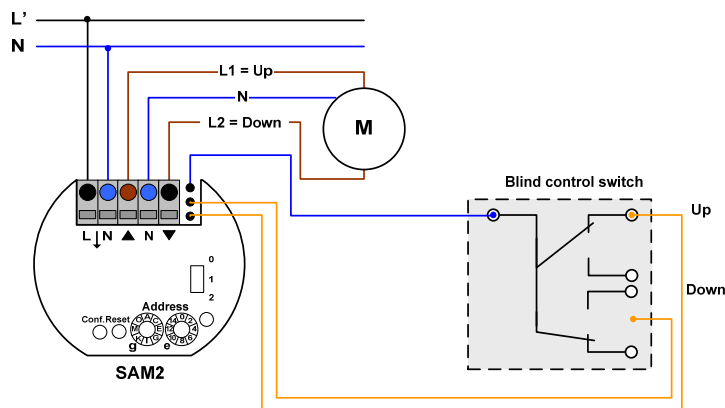
The **SIENNA®** elements form a bus system consisting of sensors and actuators which use the in-house powerlines as a communication bus.

The **SIENNA® SAM2** module can either be directly attached to a motor or flush-mounted behind a switch. It has two relay-switched outputs for electrical motors with current ratings upto 3A. The 2 inputs via flexible wires can be directly connected to a switch. Switching over from one direction to another occurs after a pause of 1 sec. Max. runtime is 120 sec.

The **SIENNA® SAM2** actuator is commonly used with the **SM3** sensor for centralized control.



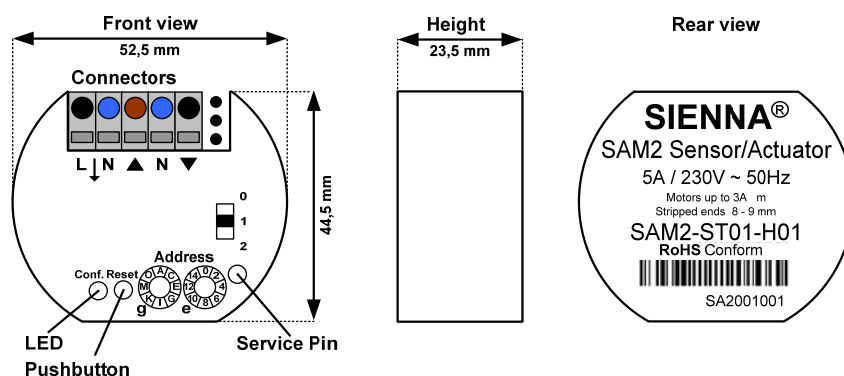
### Wiring plan: Motor control for sun blinds



### Technical Data:

- Technology:**.....Powerline communication in the B/C-Band (5kb/s) compliant with FCC, CENELEC EN50065-1 and LONWORKS® protocol.
- Power:** .....230V~/50Hz, power consumption 0.5W..1.5W via the L, N connectors incl. powerline interface.
- Input:** .....Two digital inputs via flexible wires for connecting to a multiple-gang switch. Internally provided 15V input potential vs. N.
- Output:** .....▲, ▼, N to the electrical motor: one relay each to switch up to 3A on outputs ▲, ▼ (Up, Down).
- Processor:** .....Neuron processor integrated in the Powerline Smart Transceiver PL 3120.
- Connectors:** .....2 x 0,08 - 1.5mm<sup>2</sup> (L, N) combined as voltage feed and PLC interface.  
3 x 0,08 - 1.5mm<sup>2</sup> (▲, N, ▼) for connecting to the 230V motor.
- Operating Temperature:** .....-25°C to +70°C
- Safety Compliance:** .....CE, EN60669, EN50065-1

### Dimension Drawing:



**Product name: SAM2-ST01-H01**  
**EAN number: 4260194734020**