



N 501 Combination Blind Actuator

GAMMA Building Management Systems



This device is used mainly in non-residential buildings for sun protection control but its use in residential buildings is also possible. It can be used in a conventional installation instead of a traditional shutter/blind actuator.

■ Connection of conventional pushbuttons for Up/Down control

Instead of GAMMA *instabus* pushbuttons it is possible to connect conventional Up/Down pushbuttons, also parallel, which allows operation from several positions. It also means that the shutters/blinds can still be operated should bus communication fail.

■ Expandable when integrated in a KNX network

For applications in a KNX installation the user can either retain the as-delivered assignment of the inputs and outputs or is free to parameterize their assignment and function as preferred. The binary inputs can then be used e. g. for recording the status of window contacts, for switching, dimming and for shutter/blind control.


Highlights

- The conventional shutter/blind control can be integrated at any time in a KNX network and be expanded there
- Shutters/blinds can still be operated should bus communication fail
- Destruction of drives due to welded relay contacts is ruled out
- Excellent price-performance ratio
- Compact design 8 MW



Combination Devices

Input/output devices

Technical specifications

Type	Description
 N 501	<p>N 501 combination blind actuator</p> <ul style="list-style-type: none"> • 8 inputs for DC or AC in the range from 12 to 230 V • 8 relay contact outputs slaved in pairs for controlling 4 × 230 V AC sunblind drives, rated contact operating voltage 230 V AC, rated contact operating current 6 A, $\cos \varphi = 1$ • Electronics powered by a 230 V AC integrated power supply, device functional even without bus connection or if the bus communication fails • Preset on delivery for direct output control for each blind button function via the buttons connected to the inputs • Green LED to indicate standby • Key for switching between bus and direct mode • Yellow LED to indicate direct mode activated • A button for each relay contact output, for switching the output in direct mode while the button is held down • Each with 1 red LED per input to indicate the relevant signal status, for bus connection with selectable common or individual input configuration and with variable function for each input when using the ETS • Selectable blocking of each input via a corresponding blocking object • Sending of input objects after change • Selectable cyclical input object sending • Communication objects for each blind channel for driving the sun protection into the end positions or for stopping the procedure and adjusting the blind slats in steps • Communication objects for direct driving up to a sun protection setting and the blind slats through the percentage setting information • Automatic opening of the blind slats to a preconfigured nominal setting after uninterrupted driving down of the blind from the top to the bottom end position, with integrated 1-bit scene control for storing and calling up (reproduction) of 2 interim blind and slat settings • Integrated 8-bit scene control and incorporation of each channel in up to 8 scenes • Optional "Sun" object for activating/deactivating sun overrun control of the blind slats during shading with the greatest proportion of natural light • Differentiation between automatic and manual mode and with automatic switchover from automatic to manual mode for the channel in question by pressing a bus button for manual control of the corresponding sun protection • Manual mode taking precedence over automatic position commands • Alarm object for each device or each channel to drive the sun protection into the configured safety setting (e. g. for wind alarm) and with blocking of the drive in a different position while the alarm is present • Drive blocking object for each device or for each channel to block the sun protection in the current position (e. g. when cleaning outside blinds) • Status objects for each channel for querying or for automatic sending of sun protection and slat settings as a percentage value • Optional status objects for reporting that the up or down position has been reached, with integrated bus coupler with only half standard bus load • Bus connection via bus terminal and contact system for the data rail as a modular installation device for mounting on TH35 EN 60715 mounting rail • Width: 8 MW (1 MW = 18 mm).

Selection and ordering data (Dated 04/2009)

Type	Version	DT	Order No.	PU	PS*/P. unit	PG	Weight per PU approx.
				Unit(s)	Unit(s)		kg
	N 501 N 501 combination blind actuator  4 x 230 V AC, 6 A, 8 x binary inputs	B	5WG1 501-1AB01	1	1	030	0,500

5WG1 501-1AB01

* You can order this quantity or a multiple thereof.

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