

LM-2JASX

Blinds output module 2x, built-in

Art. no. 22162347

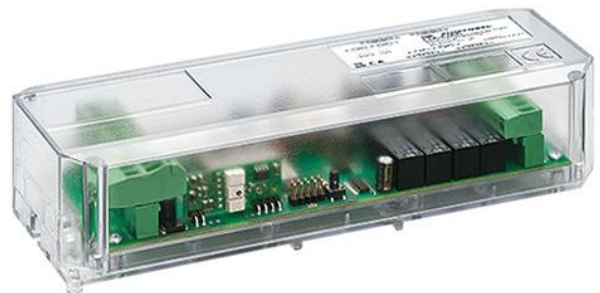
Blinds control unit with two four separate outputs for controlling blinds systems employing 230V AC motors

Application

The LM-2JASX blinds control unit is designed for precision operation of two independent sets of blinds/curtains/shutters dient zur exakten Ansteuerung von zwei unabhängigen Jalousien/Storen/Verdunkelungen either using manual control or by a higher-level automation system. The positioning and slat tilt angle are controlled independently of each other. Optimum use of available daylight can be achieved by combining the LM-2JASX with a LUXMATE LITENET or Professional system that can control the blinds etc. and adjust the artificial light according to daylight conditions.

Design notes

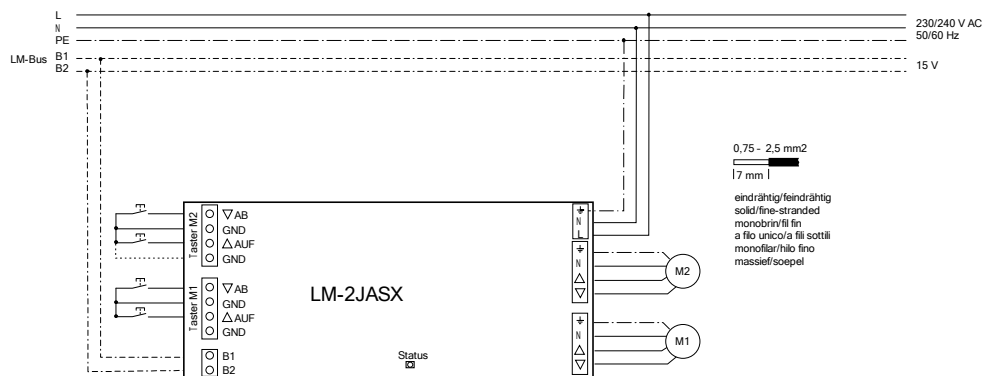
- The LM-2JASX is designed for local installation close to the window, for instance in Dado trunking.
- The default delivery settings for the LM-2JASX have been chosen so that the connected blinds/curtains/shutters move into the upper or lower limit of travel when a scene is run. Test buttons can be used to adjust the default operating mode of the unit, so that it is also possible to move to intermediate positions when a scene is run. It is also possible to save a position of blinds etc. using test buttons. A control unit with addressing and configuration functions e.g. the LM-EG or LM-CIRIA can be used to save 20 intermediate positions.
- When used in automated control systems based on the position of the sun, the movement and positioning strategy is customised by ZUMTOBEL Service to suit a given blinds system.
- The LM-2JASX is designed for blinds systems that have two mechanical limit switches. (Electronic limit-switch function available on request).
- The unit automatically measures the positioning time of the blinds. There is also the option to save the positioning time manually.
- The JSW blinds switch must not be used with the LM-2JASX for technical reasons.



Functional description

- A 230V AC blinds motor can be connected to each of the two blinds outputs of the LM-2JASX.
- The LM-2JASX calculates the closure height and slat tilt angle separately for each set of blinds allowing precision control.
- A programmed scene can be used to adjust the blinds automatically to any required closure heights (intermediate positions) and slat tilt angles.
- Users can always move the blinds manually to any position using connected control units.
- The LM-2JASX automatically measures the blinds positioning time. The LITENET lighting management system is notified of any changes in the blinds positioning time in the course of operation.
- Motorised windows and blinds can be connected to a unit. In this case, it is possible to ensure that the two mechanisms cannot be operated at the same time and so avoid damage.
- Option to connect two local, isolated dual momentary-action switches, which the LM-2JASX supplies with a 12 VDC low voltage. The momentary-action switch inputs can operate other facilities, for instance lighting, and can be addressed individually.

Wiring scheme



Taster M1
 ▽ AB Tastereingang für Motor 1
 ○ GND Momentary-action switch input for motor 1
 △ AUF Entrée de bouton-poussoir pour le moteur 1
 ○ GND Entrata pulsador per motore 1
 ○ GND Entrada de pulsador para motor 1
 ○ GND Drukknopgang voor motor 1

Taster M2
 ▽ AB Tastereingang für Motor 2
 ○ GND Momentary-action switch input for motor 2
 △ AUF Entrée de bouton-poussoir pour le moteur 2
 ○ GND Entrata pulsador per motore 2
 ○ GND Entrada de pulsador para motor 2
 ○ GND Drukknopgang voor motor 2

M1
 Motor 1: max. 2,5 A mit 2 Endschalte m
 Motor 1: max. 2,5 A with 2 limit switches
 Moteur 1: max. 2,5 A avec 2 interrupteurs de fin de course
 Motore 1: max. 2,5 A con 2 interruttori di fine corsa
 Motor 1: máx. 2,5 A con 2 indicado res de final de carrera
 Motor 1: max. 2,5 A met 2 eindschakelaars

M2
 Motor 2: max. 2,5 A mit 2 Endschalte m
 Motor 2: max. 2,5 A with 2 limit switches
 Moteur 2: max. 2,5 A avec 2 interrupteurs de fin de course
 Motore 2: max. 2,5 A con 2 interruttori di fine corsa
 Motor 2: máx. 2,5 A con 2 indicado res de final de carrera
 Motor 2: max. 2,5 A met 2 eindschakelaars

△ Auf, obere Endposition
 Up, upper end position
 Vers le haut, position finale supérieure
 Su, posizione finale superior e
 Arriba, posición final superior
 Omhoog, eindpositie boven

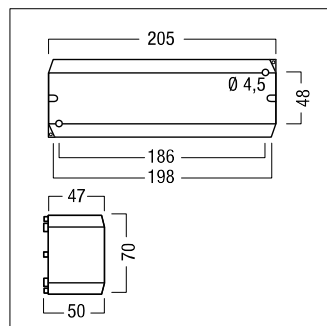
▽ Ab, untere Endposition
 Down, lower end position
 Vers le bas, position finale inférieure
 Giù, posizione finale inferiore
 Abajo, posición final inferior
 Omlaag, eindpositie onder

+ Erdung
 Earthing
 Mise à la terre
 Messa a terra
 Puesta a tierra
 Aarding

Mounting and installation instructions

- The LM-2JASX blinds unit can be installed in the Dado trunking or in an intermediate ceiling.
- For installation in control cabinets on 35 mm DIN rail as per EN 50022.
- Provide adequate strain relief when connecting the (L,N) wires and the protective earth wire (PE).
- Test the protective earth conductor.
- The momentary-action switch cable and mains cable must be installed separately.
- Screw the housing closed using the screws supplied.

Dimension



Label/connections



Technical data

Nominal voltage	230/240 V AC, 50/60 Hz
Permitted input voltage	207 ... 264 V AC, 50 ... 60 Hz
Power loss	< 1 W
Inputs	LUXMATE bus (B1, B2) 2 dual momentary-action switches (On/Off) 12V DC
Outputs	2 separate motor outputs Per output: max. 1 ac motor 230 V AC, 50/60 Hz I AC min. 0.1 A, max. 2.5 A, max. 600 W Load switching: relay contact max. number of travel cycles: 100 000 Internal fuse for each output 3.15 AT
Addressing	Per output: 1 room address, 1 group address, 1 personal address Per input: 1 room address, 1 group address
Operating mode	Via LM-bus (automated via central controller or manually by control units connected to LM-bus) and by locally connected momentary-action switches.
Terminals	0,75 ... 2,5 mm ²
Housing material	polycarbonate, halogen-free
Permitted ambient temperature	0 °C ... +50 °C
Relative humidity	20–90 %, non-capacitive
Protection type	IP20
Protection class	Class I
Installation	Trunking Ceiling recess
Dimensions	205 x 70 x 50 mm
Weight	Approx. 0.3 kg