LCN-UMR

Universal shutter / blind module for flush-mounting

The universal shutter module LCN-UMR is a sensor-actuator module for a rolling .- / shutter motor control. It has two switchable, interlocked 230V relay outputs.

Furthermore, the LCN-UMR has T- and I-ports for receiving further LCN sensors and actuators. The internal operating program can be programmed by the LCN system software LCN-PRO.

Description:

● Control of roller shutters and awning motors
● Control of shading and darkening
● Decentralized control of screens or partitions
● Individual room control: Cooling, Heating, Ventilation
● Access control with IR remote control and transponder
● Automatic control with many timers and links
● Tableau systems with 4 states / LED and hierarchical relationships of permissions and ads
● Alarm systems, also with multiple zones and complex conditions, block lock, pre-alarm, etc.
● Links over trade boundaries:
Lighting "shading" Alarm "entry, etc.= High functionality with cost-effective multiple use of sensors and actuators

Hinweis: Alle Funktionen können unabhängig genutzt werden und stehen deshalb gleichzeitig zur Verfügung.

Hardware:

230V PSU 50/60Hz (110V$_{AC}$ version available)

2 x Relay 230V / 6A (interlocked)

T-Port for connection of up to 8 keys via key converter LCN- T8, LCN-TEx, LCN-TU4R or LCN-R1U (relay), LCN-GT12, LCN-GT6 etc.

I-Port for combined connection of LCN-RR (IR-remote-control receiver), LCN-TS (Temperature sensor), LCN-BMI (Motion detector), LCN-ULT (Transponder reader), LCN-GTxD (Glas Touch-Keypad) etc.

Note:
The module has no protection for the outputs. Therefore, a circuit breaker 6A (B characteristic) is to be used.
For detailed information, please refer to the installation instructions.

Function Description:

Operating programs:

Two switchable, interlocked 230V relay outputs.

The module does not switch the outputs or optionally made after 70 or 140 seconds.

The LCN-UMR supports two DSI signals or four DALI groups (through LCN-DDR). In addition, all DALI devices can be controlled directly via the LCN-DDR.

Connection for either conventional 8 keys (with adapter cable LCN-T8) or KNX / EIB standard touch sensors (LCN-Tex), eg 4x = 8 keys each with 3 commands to each 2 addresses

(Modules or groups). A total of 32 keys in 4 tables = 192 commands to 64 goals.

The key support 3 functions: short, long, Los.

Tableau functions for 12 lamps with 4 states: on, off, blinking, flicke-ring. Four logic operations for hierarchical alarm processing gem. DIN.

Decoding the IR remote control receiver. Evaluation directly or through the central computer. Functions for key levels, coded trans-mission, transmitter distinctive, with transponder

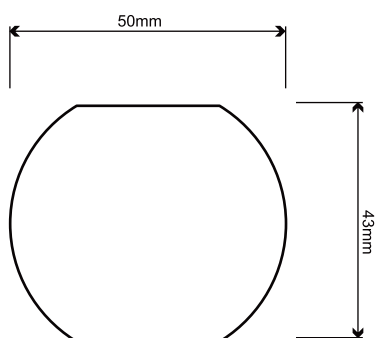combined, pedestrian recognition.

More functions:
● Two freely programmable continuous controller. Readings and con-trol variables can be arbitrarily distributed in the bus
● Analog value processing via switching thresholds or regulator
● Transponder data processing for up to 16 transponders (unlimited with operation of visualization)
● Control with dependencies and linkages, blocking and releasing of in-dividual key / tactile hierarchical permissions
● 4 timer (1s..45Tage), 2 timers (relay), periodic timer
● Bridging power failures up to 20 seconds, with power failure detecti-on, etc.
● 4-level acknowledgment and reporting
● U.v.m. 12 variables

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Technical Data:

Connection:
Supply voltage: 230V AC ±15%, 50/60Hz
                              (110V AC ±15% type available)
Power consumption: 0,5W
Supply Connection: Litz wires 0,75 mm ^{2} (with insulated ferrules)

Ports:
T-Port   Available
I- Port   Available

Outputs
Typ: 2 x relay / 6A, interlocked
Mechanical life: 10^6 switching cycles
Switching capacity: recommended max. 800W
Inrush current: max. 50A 8/10µs

General Details:
Operating temperature: -10℃ to +40℃
Humidity: max. 80% rel., non condensing
Environmental conditions: Stationary installation according
                              to VDE 632,VDE 637,

Safety classification: IP 20 when installed in a deep
                              wall box

Dimensions:

Ø x H: 50mm x 20mm

50mm

43mm

Assembly: de-centralized installation in
                       deep flush-mounted box

Circuit Diagram:

LCN-UMR
ISSENDORFF KG

Schwarz / black	L
Blau / blue	N
Weiß / white	Daten
Violett / violet	Hoch/up
Braun / brown	Runter/down

Alle freien Adern isolieren!
230V ±15%
50Hz, Pv<0,5VA

CE

T- port   I-port

Violett - up

Brown - down

M

L   L
N   N
D   D
PE   PE

Perfection.