KAISER NIENHAUS

Multiple control unit 230V

Item no. 330000 Version 3

one or two motors can be connected

Programming and Operating Instructions

1 Installation Dimensions & Technical Data

Item number:	330000
Power supply:	230V, 50Hz
Control voltage:	230V, 50Hz
Current consumption:	10mA in relay mode
Switching capacity:	Max. 2A, 250V AC; motor load max. 750VA, only for 230V motors with limit switches
Temperature range:	0 - 60 degrees C
Cage clamps:	solid, 2x1.5mm², 1x2.5mm² flexible 1.5mm²
Dimensions:	H 21 x W 51 x D 47 mm
Installation:	in deep switch box or surface-mounted damp-room junction box

NOTE
Observe the total phase load when designing the overall system!

2 Description

The multiple control unit makes it very easy to combine roller shutter motors in group systems. These can be individual groups or centrally controlled subgroups. It offers many product advantages:

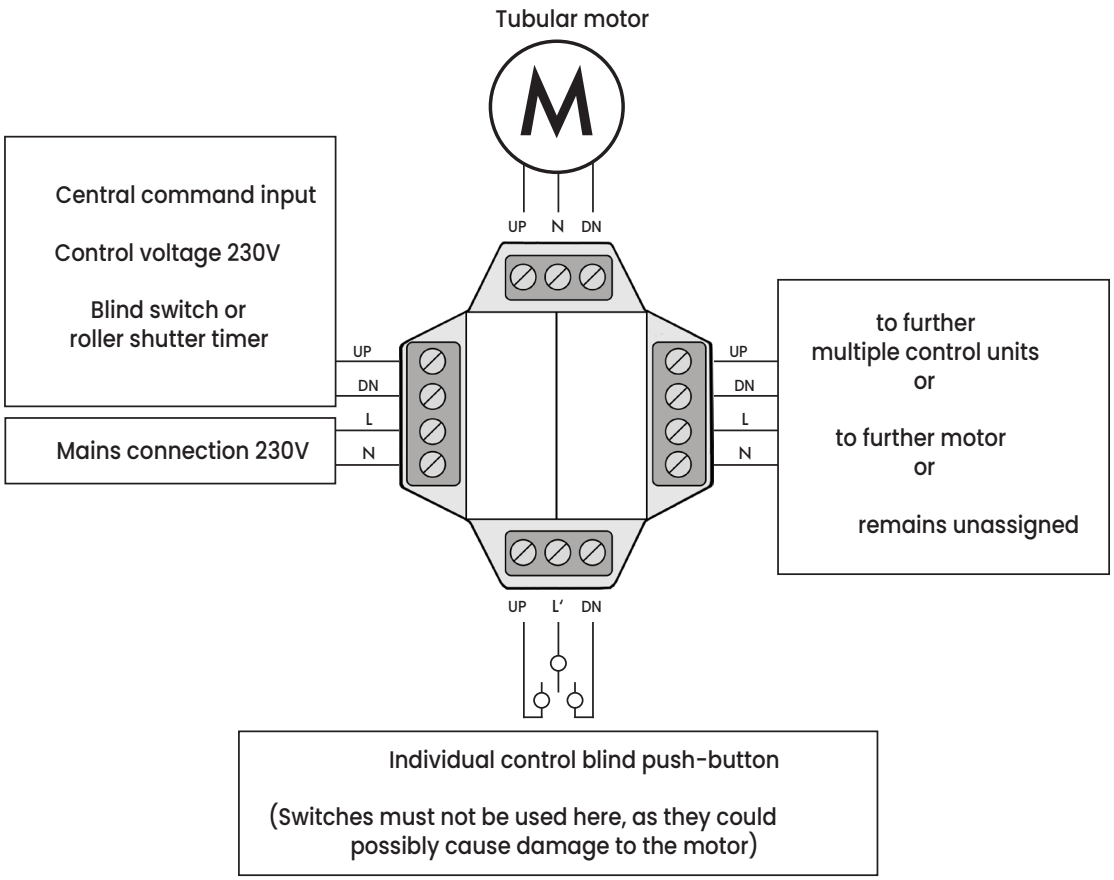
- maximum operational safety
- very compact design, height only 21mm
- complete separation of load and control circuit
- forced interlocking of both directions of travel

3 Operating the Motor

One or two roller shutter motors can be connected to each multiple control unit. Blind push-buttons are connected for local control. Do not use blind switches, as these can damage the system and the motors!

A blind push-button, blind switch or roller shutter timer can be used as the central control. The central command has “priority”.

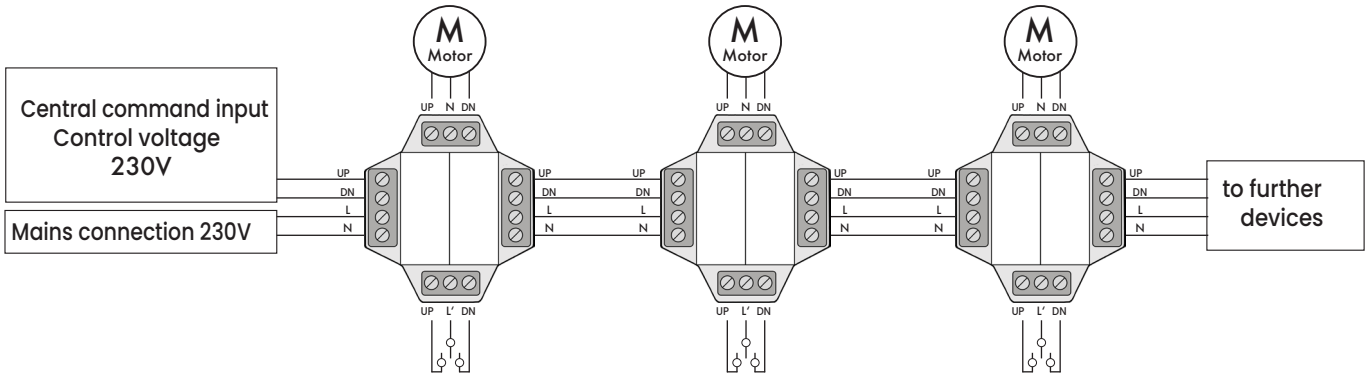
4 Wiring Diagram



5 Application Example 1

1-motor operation

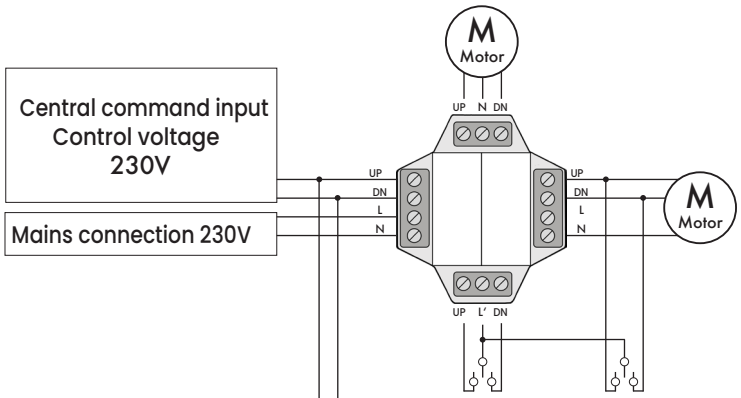
In this example, one multiple control unit is required per motor.



6 Application Example 2

2-motor operation

Connection of 2 motors to one multiple control unit. Also an example of integrating subgroups into an overall system.

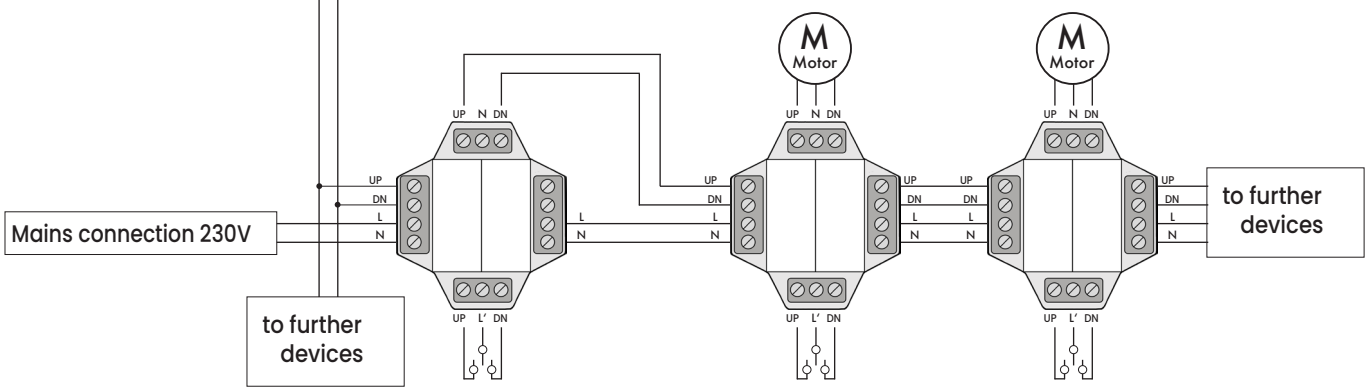


IMPORTANT NOTES

- Individual control only with blind push-buttons; switches damage the system
- Observe the total phase load when designing and planning the overall system
- The central command has priority
- Legend:

N	neutral conductor
L	phase
L'	switched phase
UP	direction up
DN	direction down

- The mandatory protective earth connections are not shown in the application examples.



Multiple control unit as control unit for group control

an additional relay is required for each subgroup. In this application example the motors are controlled in 1-motor operation. Alternatively, drives can also be controlled in 2-motor operation.