

INSTALLATION & OPERATING INSTRUCTIONS



3T-MOTORS Multiple control device TR2-UP

Function / Installation

The TR2-UP multiple control unit can be used to combine roller shutter motors in group systems. These can be either individual groups or centrally controlled subgroups. One or two roller shutter motors can be connected to each TR2-UP multiple control unit.

The TR2-UP is suitable for flush mounting in a deep switch box (Ø 60 mm / depth: 66 mm) or surface-mounted damp-proof junction box.

Technical data

Supply voltage:	230V, 50Hz, +10% / Neutral conductor required
Control voltage:	230V, 50Hz, +10%
Current consumption:	10mA in relay mode
Switching capacity:	max. 2A, 250V AC / Maximum motor load 750VA only for 230V motors with limit switches
Temperature range:	0-60°C
Screw terminals:	massive, 2x1,5mm ² , 1x2,5mm ² , flexible 1,5mm ²
Dimensions:	H x W x D, 20 x 47 x 51 mm
Installation:	in deep switch box or AP damp-proof junction box

Individual control / Central control

A blind switch is connected for individual operation of the roller shutter motors.

Do not use blind switches, as these can cause damage to the system and motors!

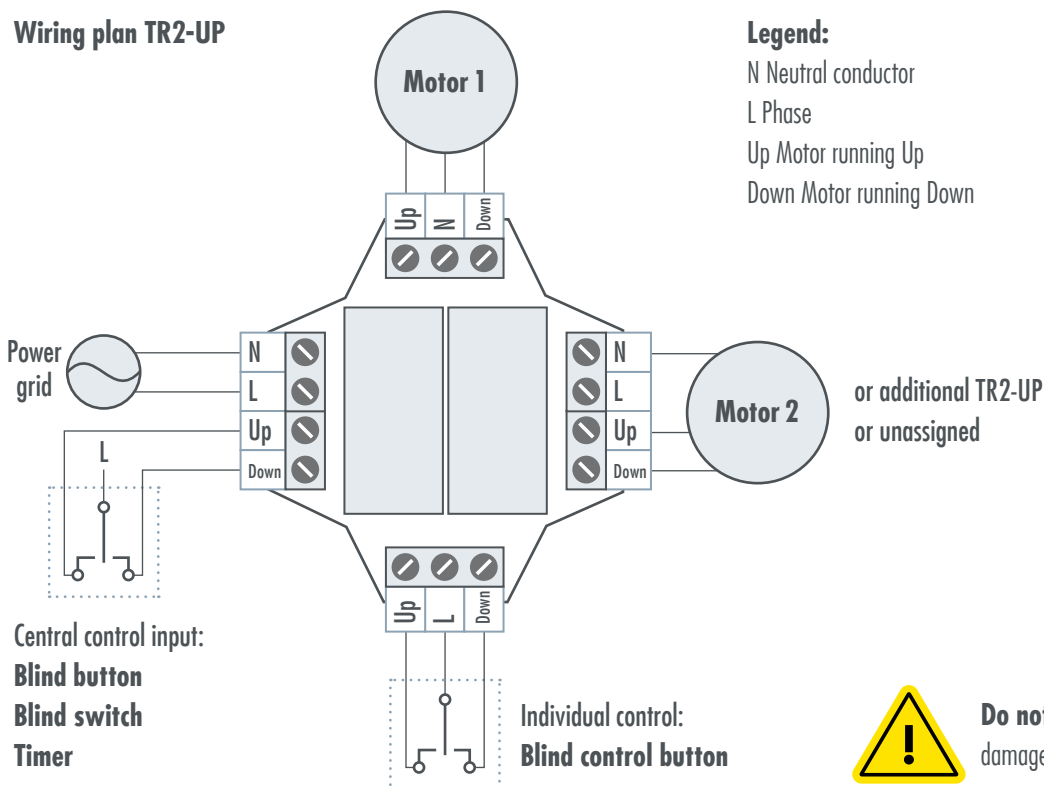
A blind button, blind switch or timer switch can be connected as a central control. The central command of the central control takes precedence over individual controls.

Safety instructions

The electrical connection may only be carried out by a qualified electrician in accordance with the connection diagrams shown in these instructions. Observe the VDE regulations, especially in damp rooms. The VDE regulations contain mandatory safety measures. Failure to observe these regulations may result in danger to life! Installation and connection work must be carried out with the power disconnected. To do this, all supply lines must be disconnected from the mains and secured against being switched back on. No persons may be present in the area of the roller shutters. The rolling down or rolling up of the roller shutter curtain must not be blocked.

Mains supply with L1, L2 or L3 permitted. The total phase load must be taken into account when designing the overall system.

Wiring plan TR2-UP



Do not use blind switches, as these can cause damage to the system and motors!

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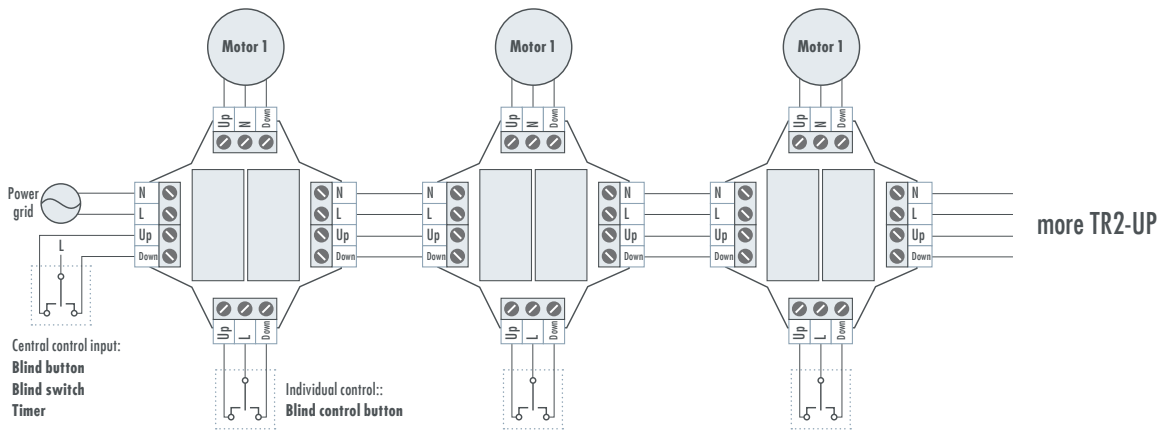
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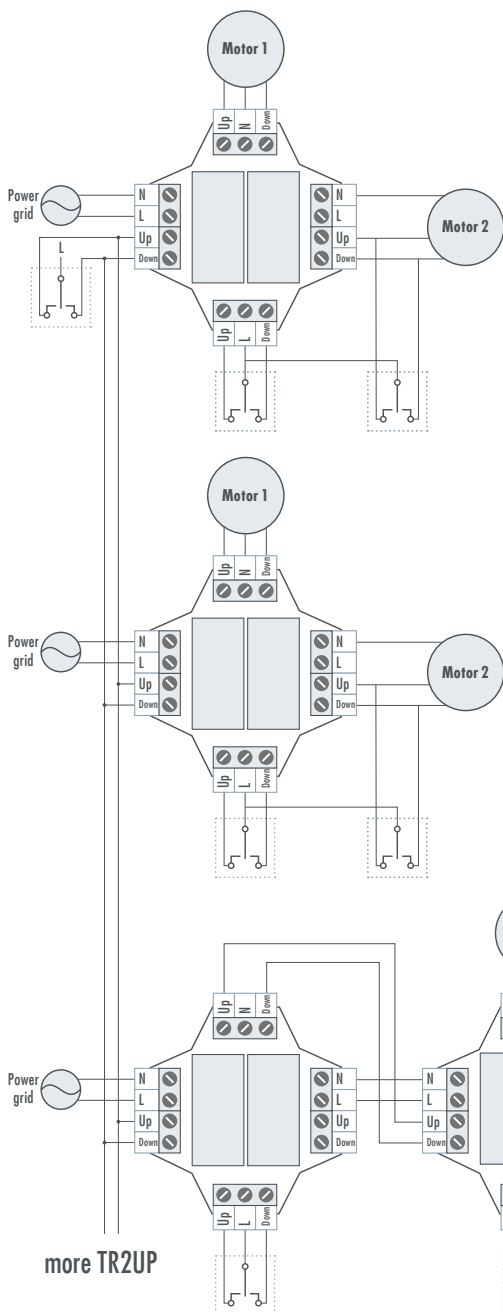
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3T-COMPONENTS
GmbH & Co. KG

Operation with one motor / Connection diagram: 1 motor per multiple control unit



Operation with two motors / connection diagram: 2 motors per multiple control unit / subgroup



Important information:

Do not use blind switches for individual operation, as these can cause damage to the system and motors!

When designing and planning the entire system, it is essential to take the total phase load into account!

The central command of the central control system takes precedence over individual control.

The connection diagrams do not take into account the protective earth connections (PE). These must be implemented separately.

Legend:

- N Neutral conductor
- L Phase
- Up Motor running Up
- Down Motor running Down

or additional TR2-UP
or unassigned

Multiple control unit
as control unit for
group operation

An additional multiple control unit is required for
each subgroup. Operation is possible with 1 or 2
motors (for the last TR2-UP).