



What is the NERO system?

NERO is a new type of control system that is capable of controlling the complete sun protection offered by one or several devices as a perfectly co-ordinated whole. Simple and stylish!



Control network based on Internet!

The Internet, the worldwide masterbrain, is made up of individual computers with a limited amount of intelligence. The important thing is that they can communicate with each other.

Similarly, the NERO system consists of individual control modules that turn it into a powerful control system whose intelligence grows in step with the number of modules that are connected to it.

As communication medium the existing power mains is used.

elegant...

magic...

simple...



This is how it works:



A control signal is transmitted in a separately coded format to the other modules over the existing home mains wiring.

The transmission procedure is based on a specific algorithm, which ensures that the information is received at the other end of the line, also in case of severe disturbances in the power mains.



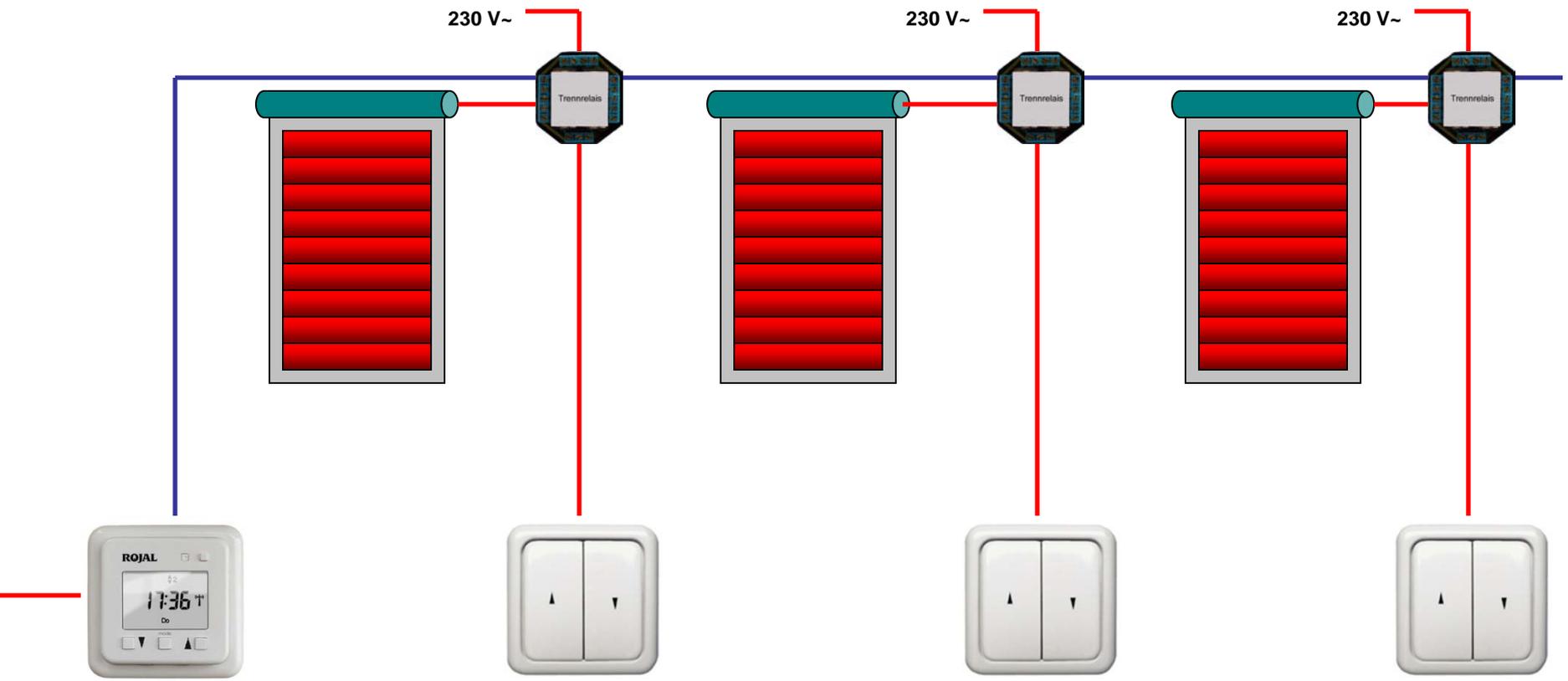
For reliable communication between the individual devices, a phase coupler is installed in the distribution box.

This means that also devices connected to other phases of the mains can readily be integrated into the control.



What do you need to control several roller shutters as one group in the conventional way?

You need motors, switches, a central control, wiring, cutoff relays and a signal cable to forward the group command from the central unit to the other controllers.

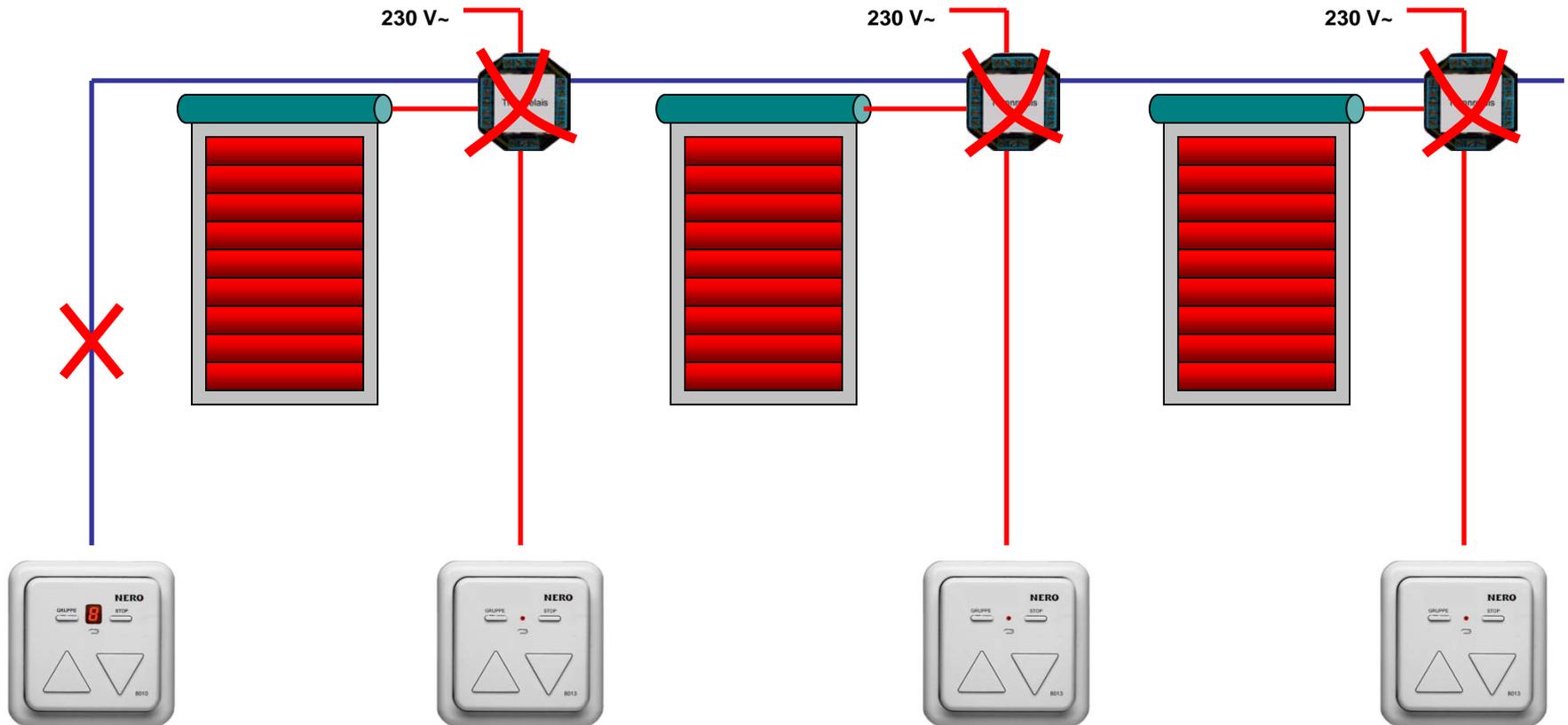


The NERO solution for the same installation example looks as follows:

You need motors, switches, a central control, power and...

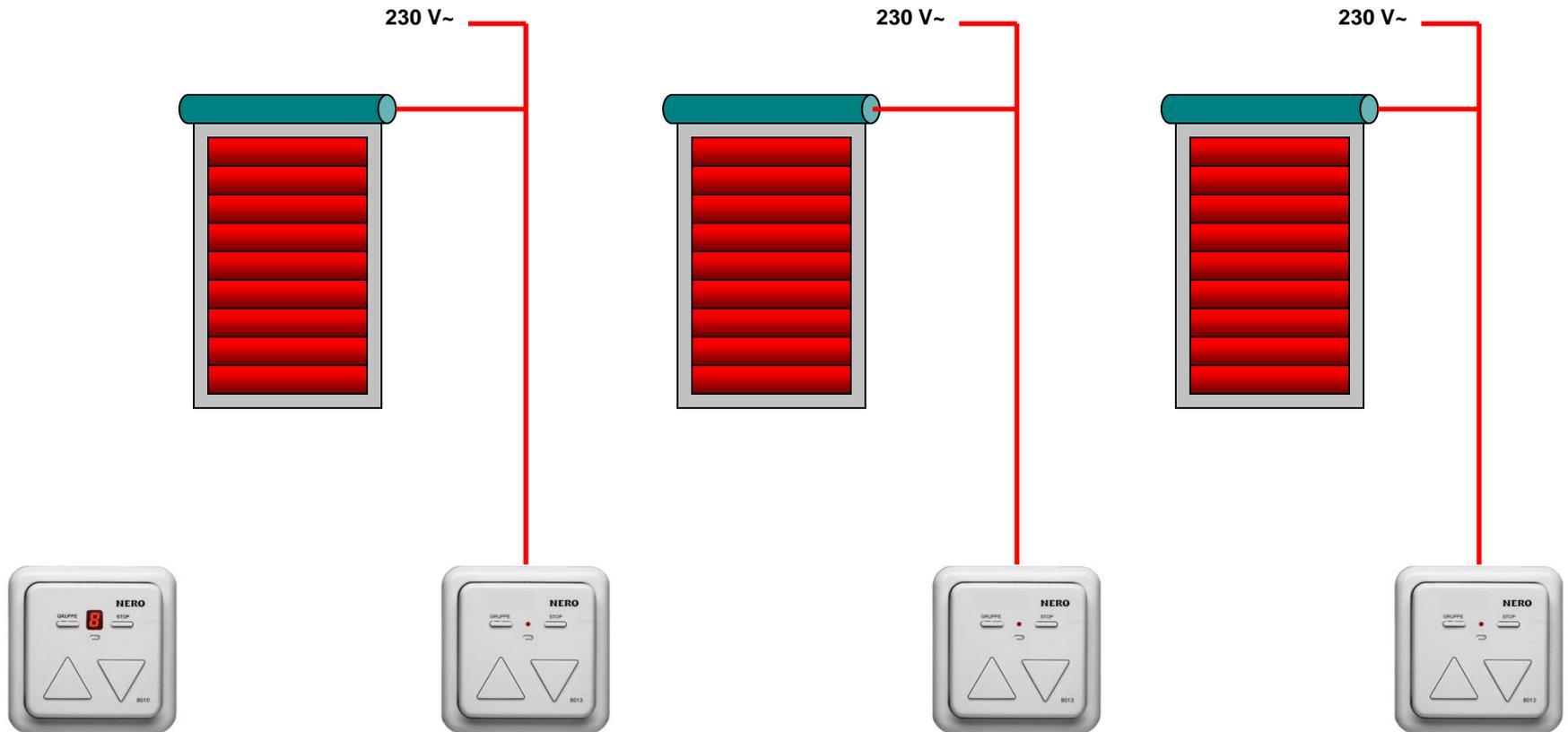
That's it!

no cutoff relays! no ring or signal cables!



That's how simple things are with NERO:

Moreover, this simple configuration of controls is capable of much more than the conventional variants because each NERO control is equipped with a series of special features:



The members of the NERO family:



NERO 8010 - Central control unit

The NERO 8010 central control unit is not connected to a motor. It is used for management and remote control of the NERO system.

The NERO central unit can configure and control up to 9 groups of tubular motor controls NERO 8013, NERO 8014 or light controls NERO 8021.

The configured control groups can at any time be extended, modified or deleted.

The control unit can be installed in any location of the building.

A NERO system can accommodate several NERO 8010 central units without mutual interference. The other central units may have an identical or different group structure.

The NERO central unit allows the connection of an external controller (e.g. a mechanical switch, a radio control or a time switch), so that all controls connected to the central unit can be controlled in time.

Members of the NERO family:



NERO 8013 – Decentralized tubular motor control

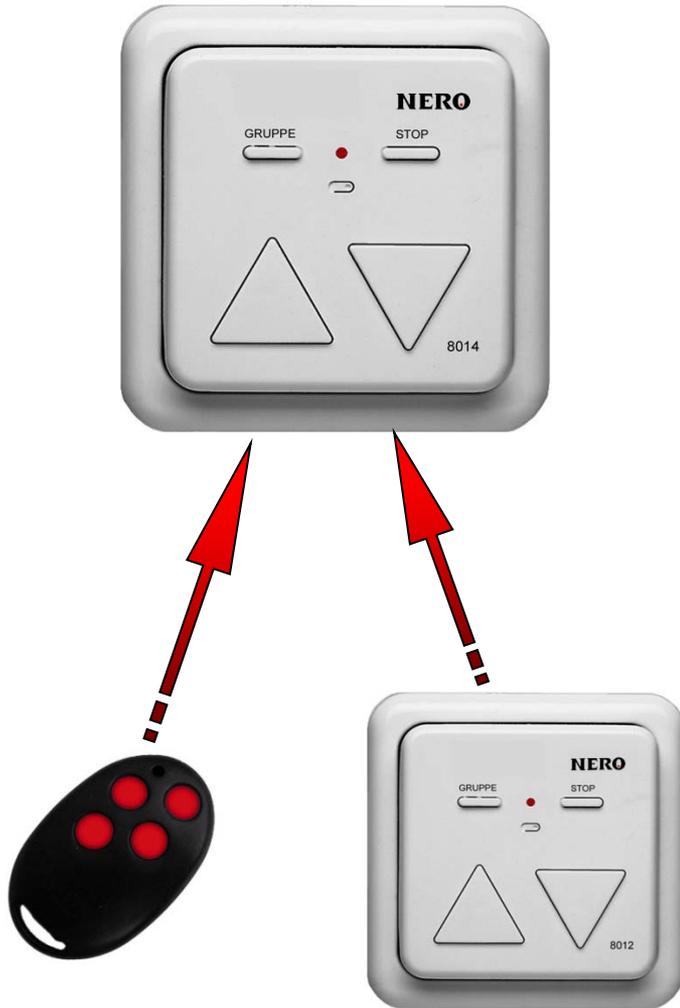
A decentralized control is connected to each drive. The connected motor is operated via the control buttons of the control. If the NERO 8013 control is connected to the NERO 8010 central unit, the drive can also be remote-controlled by the central unit.

The NERO 8013 controls can be combined into several control groups (by storey / by façade etc.)

Each NERO 8013 control can simultaneously belong to several groups (e.g. a „ground floor“ and a „south side“ group).

Each control group can be controlled by any control within this group or by the NERO 8010 central unit.

Members of the NERO family:



NERO 8014 – Decentralized tubular motor control with built-in radio receiver

The NERO 8014 control has the same functions as the NERO 8013 control, but is also equipped with a built-in radio receiver. The latter allows a tubular motor or a group of tubular motors to be operated also via a NERO 8016 hand-held radio transmitter or a NERO 8012 wall-mounted radio switch.

Similarly as with NERO 8013, the NERO 8014 controls can be combined into several groups (by storey by façade etc.)

Each NERO 8014 control can simultaneously belong to several groups (e.g. A „ground floor“ and a „south side“ group).

Each group can be controlled by any control within this group or by the NERO 8010 central unit.

The control groups can simultaneously contain several NERO 8014 and NERO 8013 controls.

Members of the NERO family:



NERO 8012 – Wall-mounted radio transmitter

Wall-mounted radio transmitter, 433.92 MHz. Used to control a drive and/or all drives of a group in combination with the NERO 8014 control unit.

The button assignment of the wall-mounted transmitter is identical with that of the NERO 8014 control.



NERO 8016 – Hand-held radio transmitter

Hand-held radio transmitter, 4 channels, 433.92 MHz. Used to control a drive and/or all drives of a group in combination with the NERO 8014 control unit.

Members of the NERO family:



NERO 8021 – Light control / Dimmer

NERO 8021 – electronic light control / dimmer for smooth, stepless brightness adjustment of the connected lights.

Control of one or all connected lights of a group.

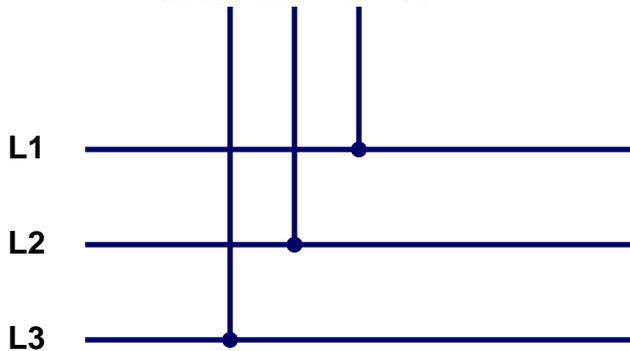
Comfort function: for rapid switching to a preset brightness level.

Just as the other controls of the NERO system, the NERO 8021 light controls can be combined into several logical groups.

Each NERO 8021 light control can simultaneously belong to several groups.

Each control group can be controlled by any control within this group or by the NERO 8010 central control unit.

Members of the NERO family:



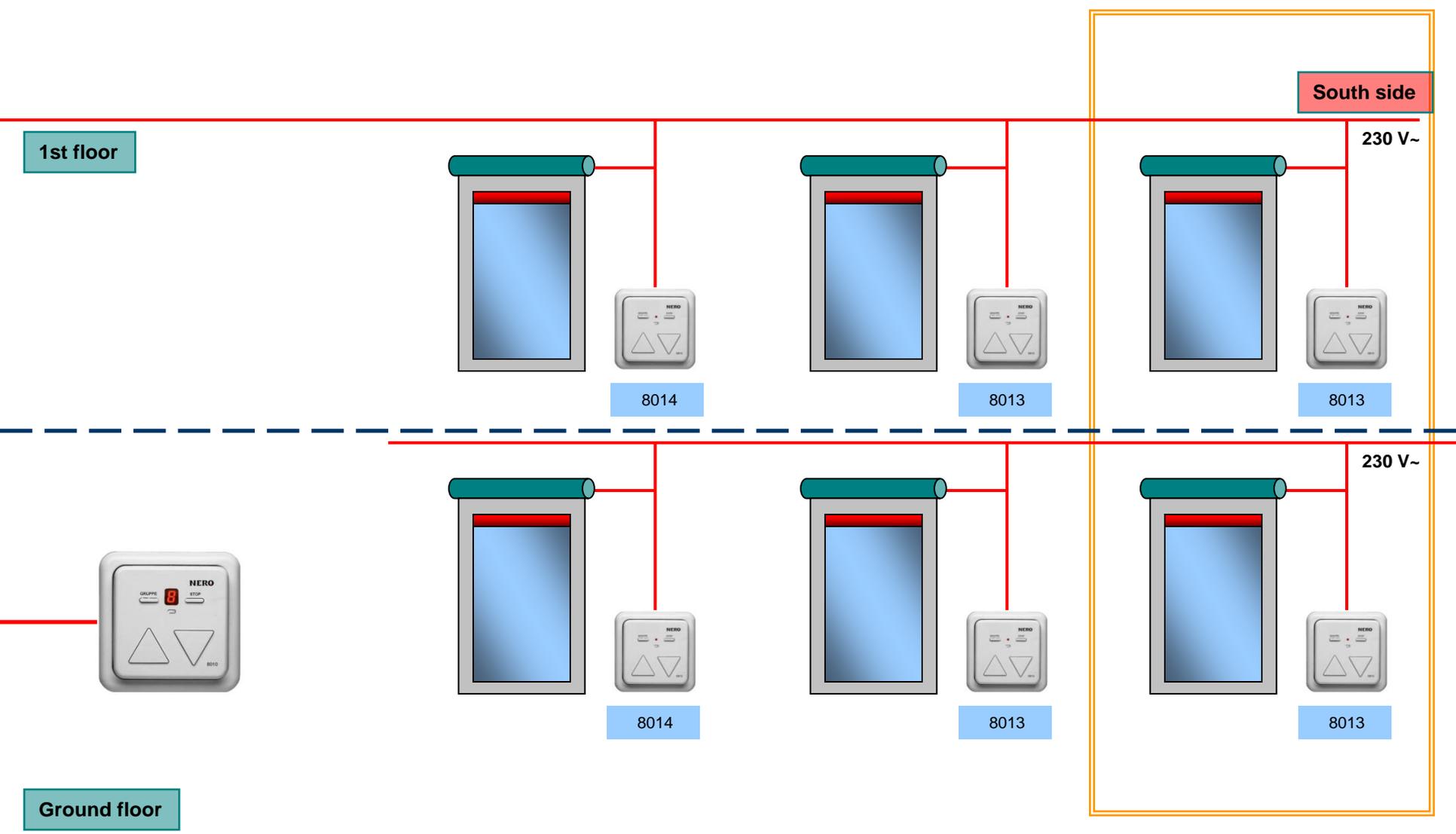
NERO 8015 – Phase coupler

The NERO 8015 phase coupler is installed in the distribution box of the building and connected to all 3 phases of the home mains.

The phase coupler ensures reliable communication between the devices of the NERO family that are connected to different phases of the power mains.

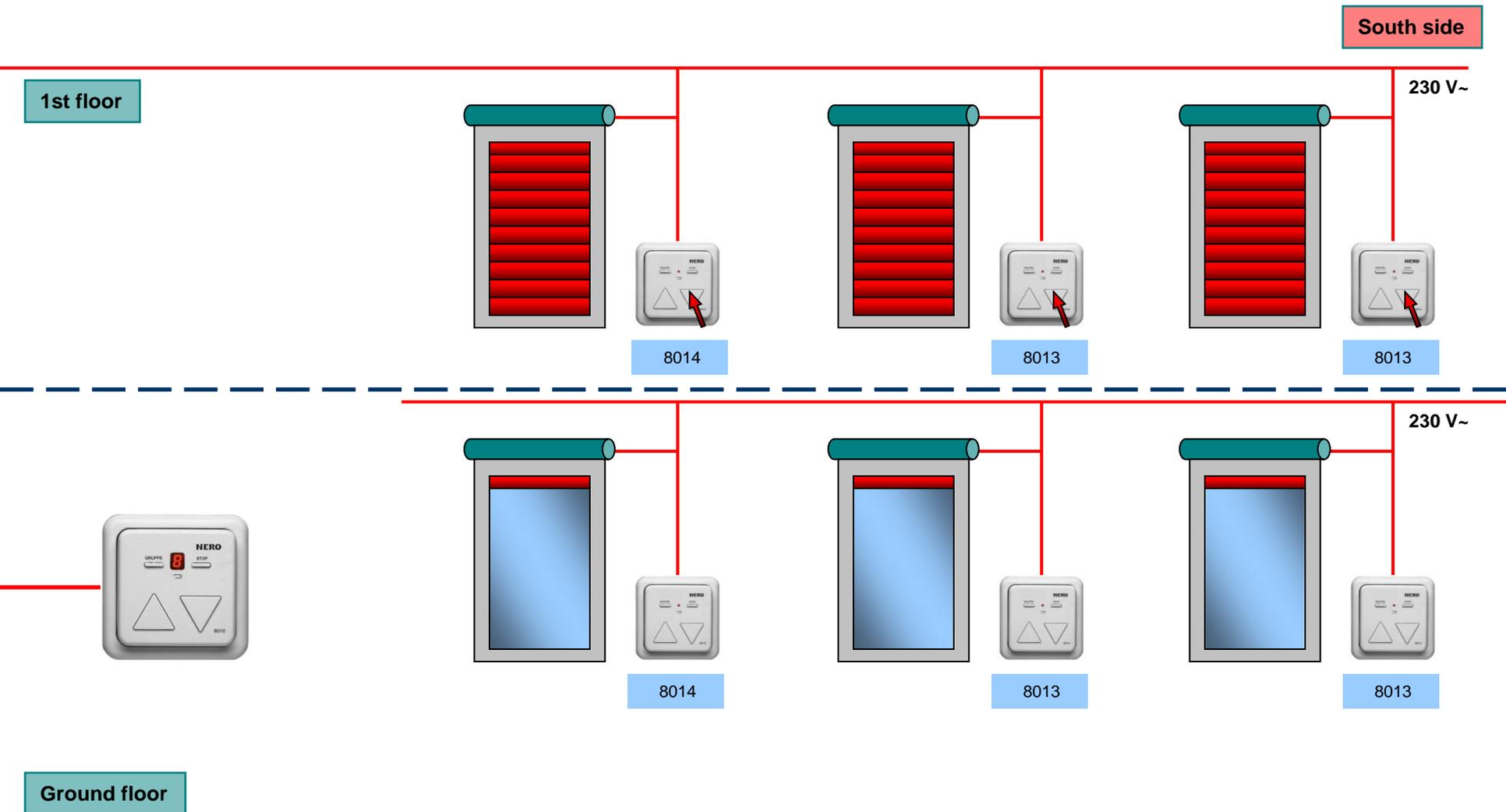
An example of the universality and versatility of the NERO system:

For a small building with 6 roller shutters, all controls are combined into 3 groups as follows:



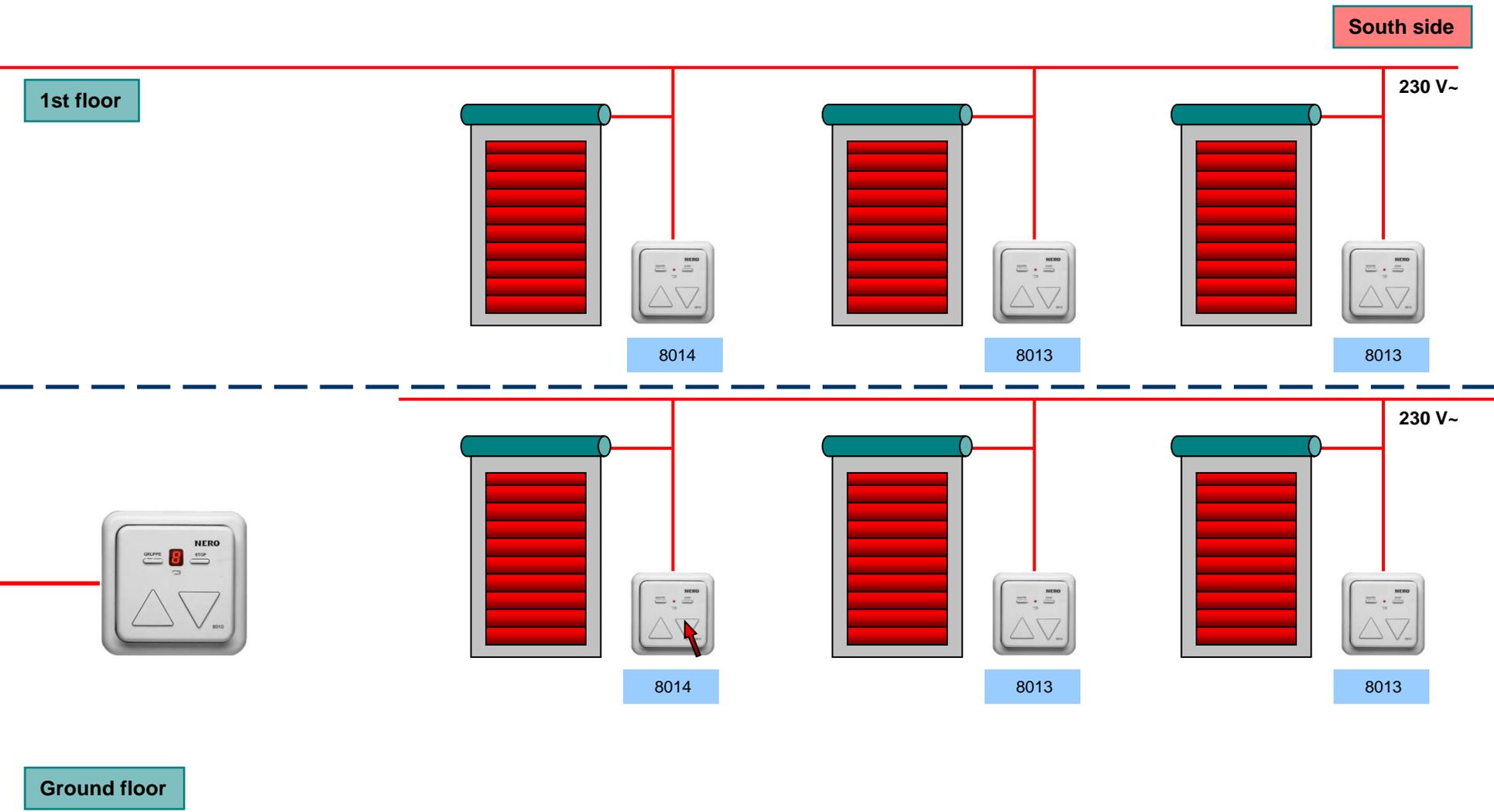
An example of the universality and versatility of the NERO system:

Each individual motor can be operated manually via the control buttons of the relevant control.



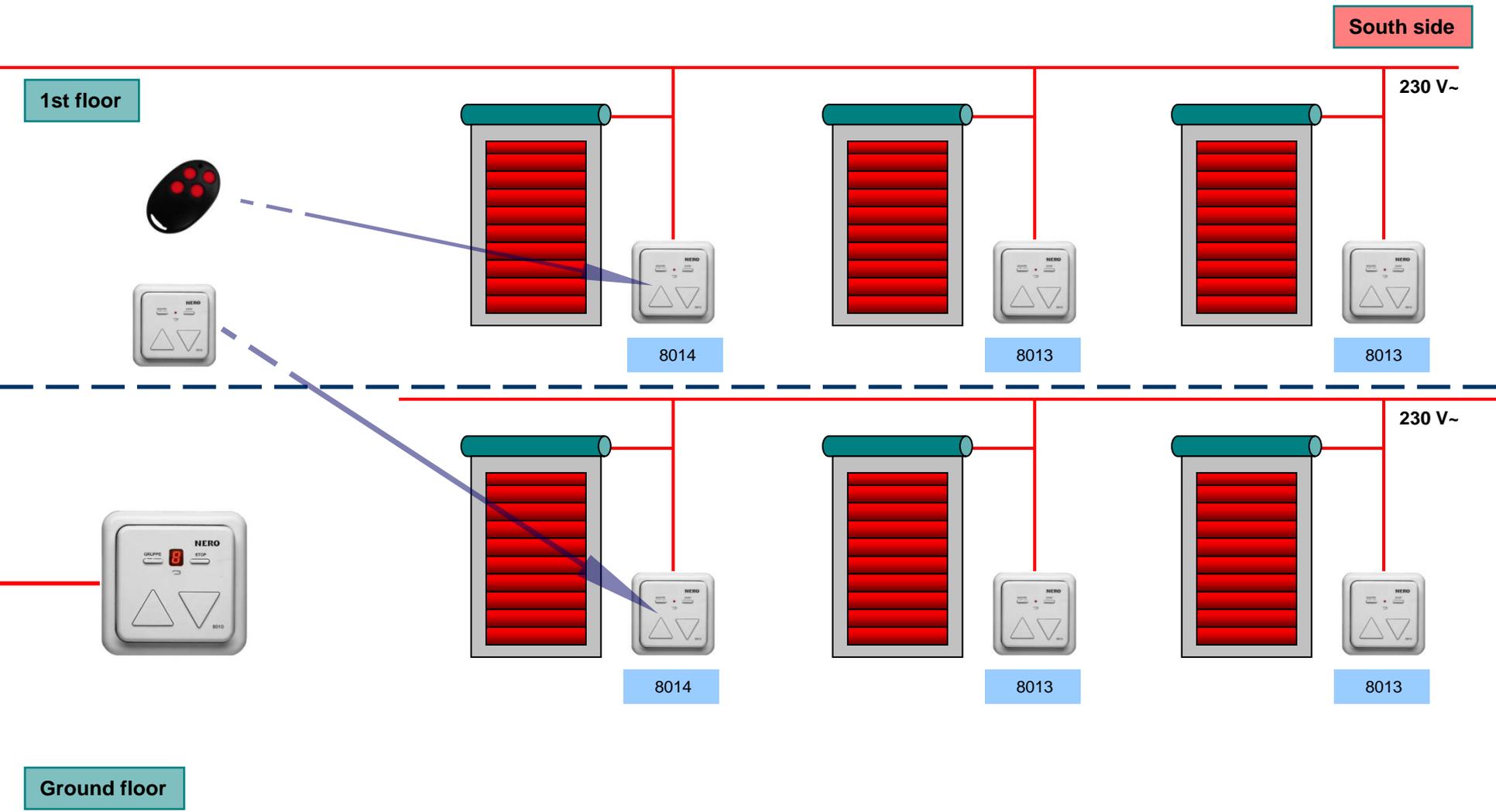
An example of the universality and versatility of the NERO system:

Each group can be operated by any control within the relevant group.



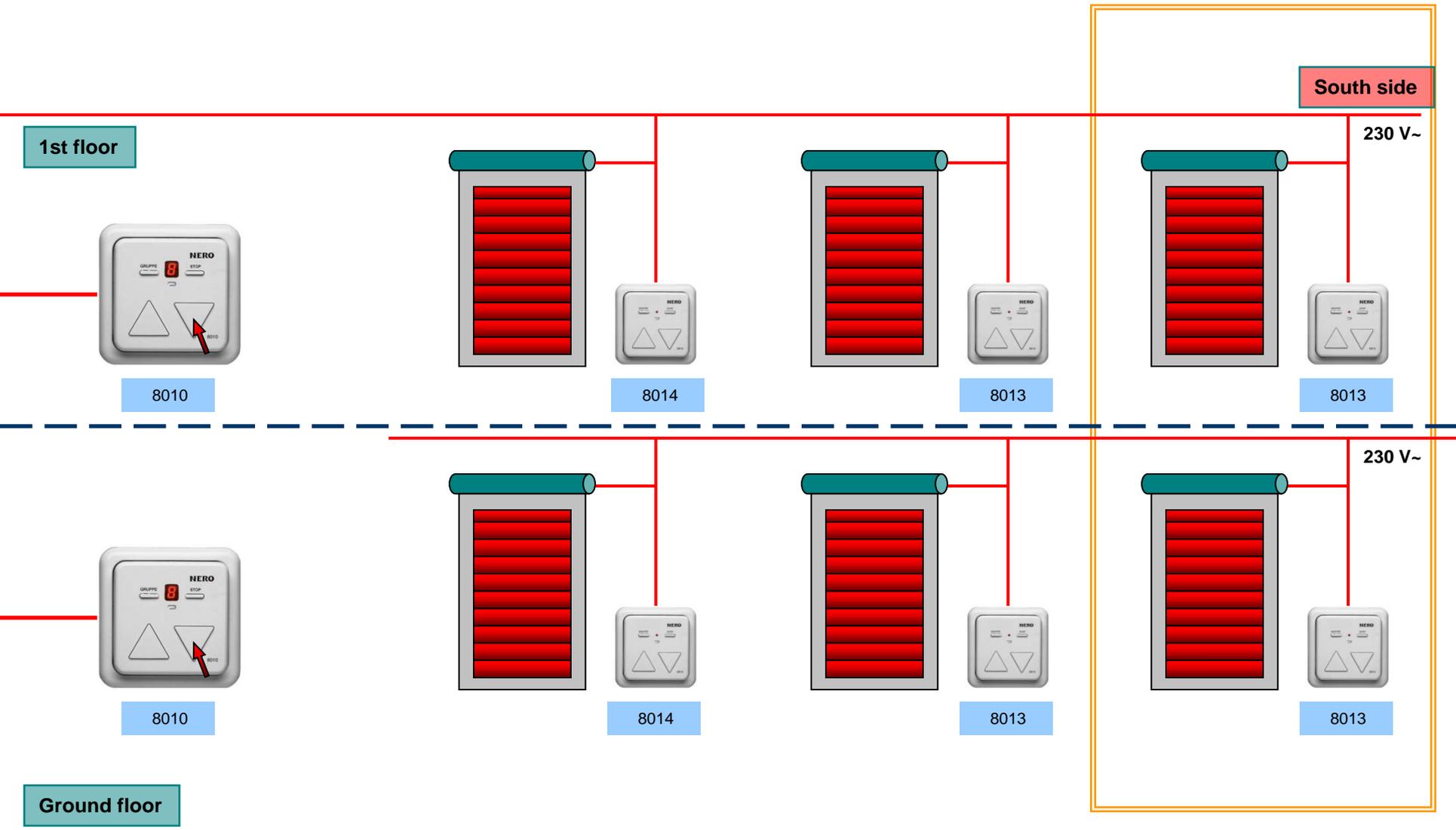
An example of the universality and versatility of the NERO system:

Each group containing at least one NERO 8014 control can also be controlled via radio by means of a hand-held radio transmitter or a wall-mounted radio switch.



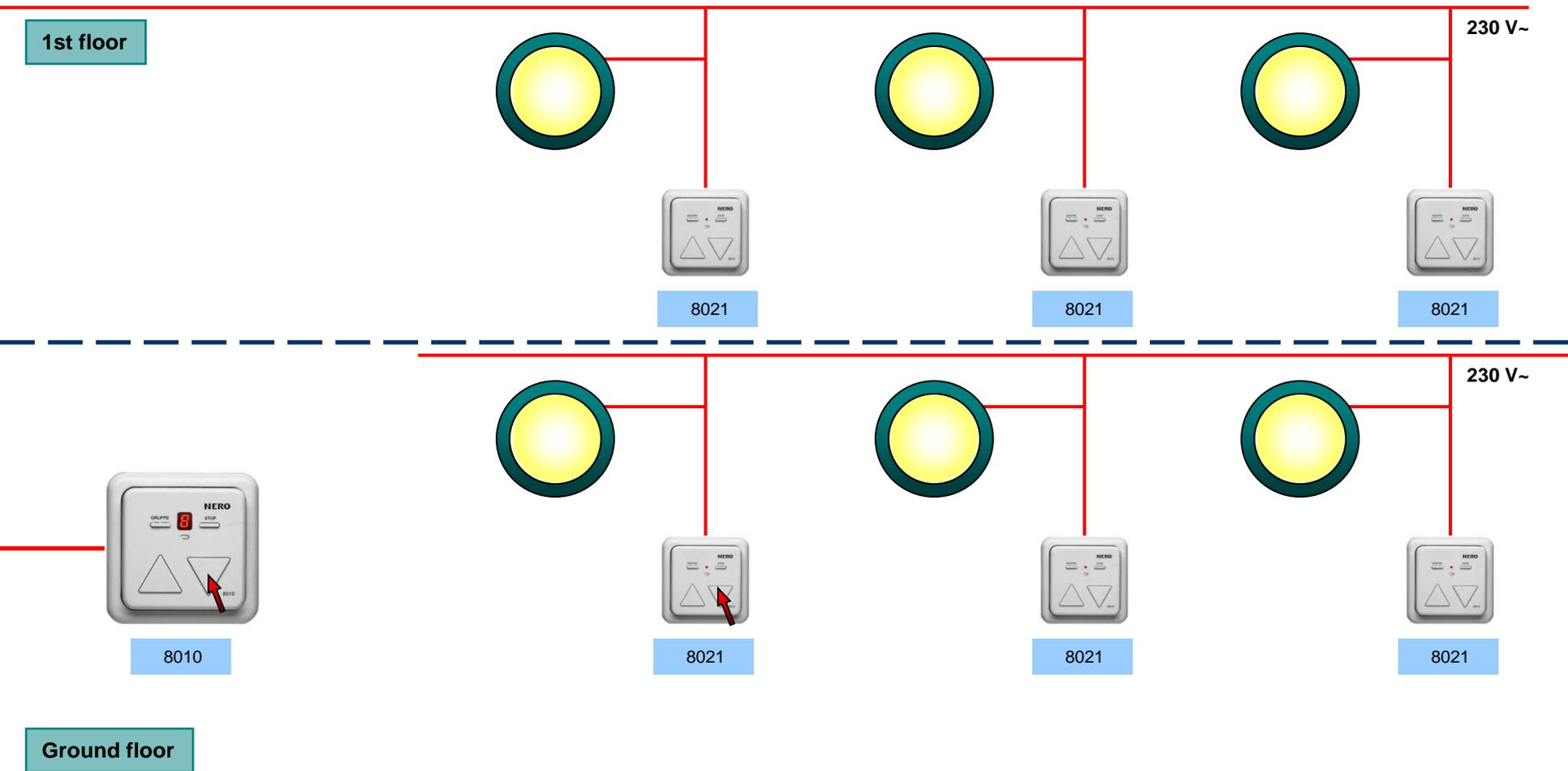
An example of the universality and versatility of the NERO system:

...and obviously each group can be controlled by one or more NERO 8010 central control units.



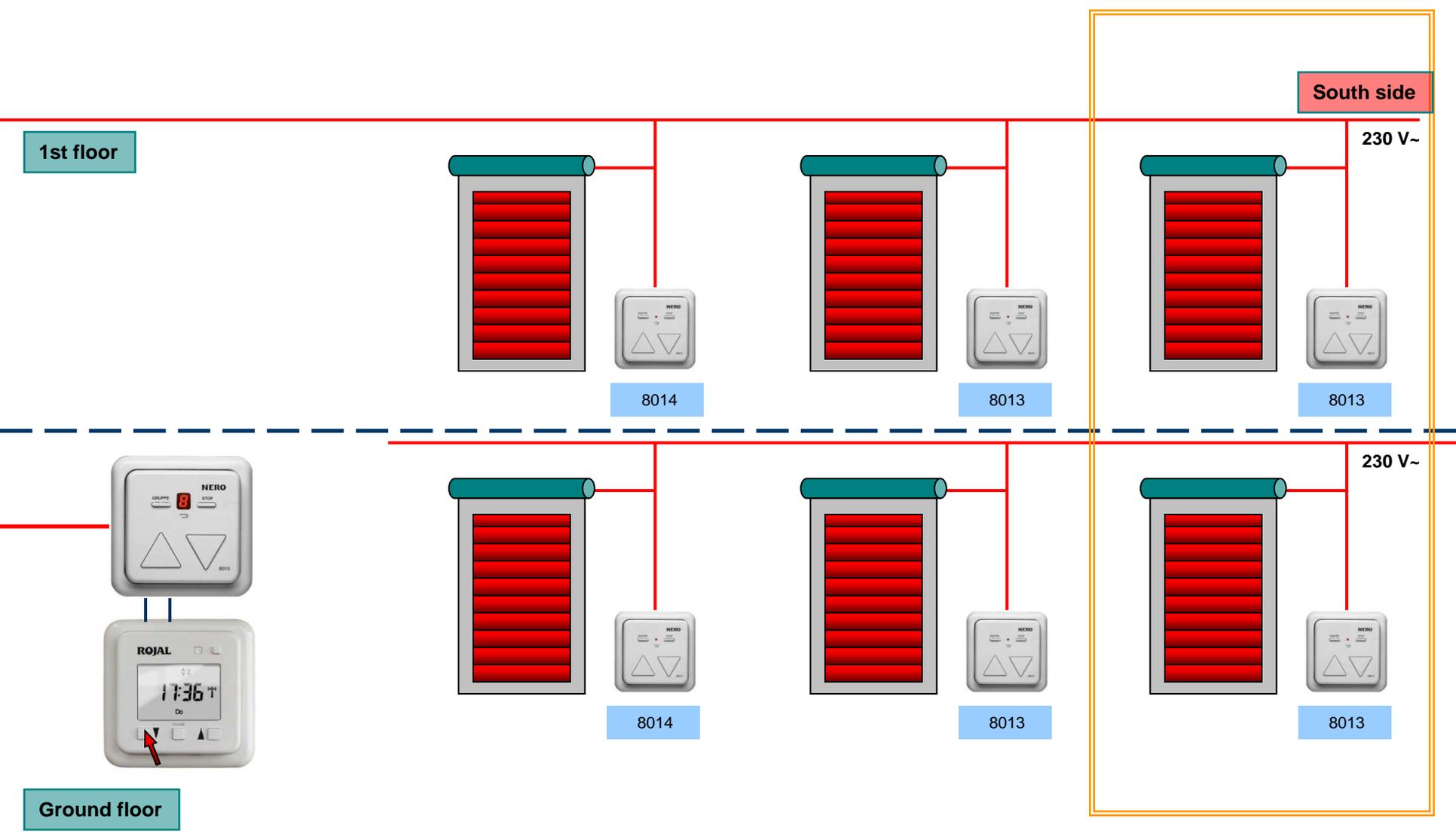
An example of the universality and versatility of the NERO system:

The NERO 8021 light controls can just as easily be organised into specific logical groups.



An example of the universality and versatility of the NERO system:

When connecting a time switch to the NERO 8010 central control unit, the latter forwards all control commands from this time switch to all controls of the NERO system over the 230V mains.



Main NERO characteristics in a nutshell!

1

All functions of the NERO system are realised without additional wiring and without cutoff relays!

2

Up to 9 controls or control groups can be controlled from the NERO central control unit.

3

The organization of the groups can flexibly be adapted to the needs of any customer or building.

4

Each decentralized NERO control can simultaneously belong to several control groups .

5

Each group can be controlled by any control within the relevant group!

6

NERO controls and control groups can moreover be operated via radio.

7

In one and the same building several NERO central control units can be used without mutual interference.

8

NERO central control units can be installed and connected in any location within the building.

New installation or retrofitting? Both are a piece of cake!

