

# LinTronic



Updated: 190105

# Relays



All 8-relays are working in the same way. This is one example covering all.



A C R

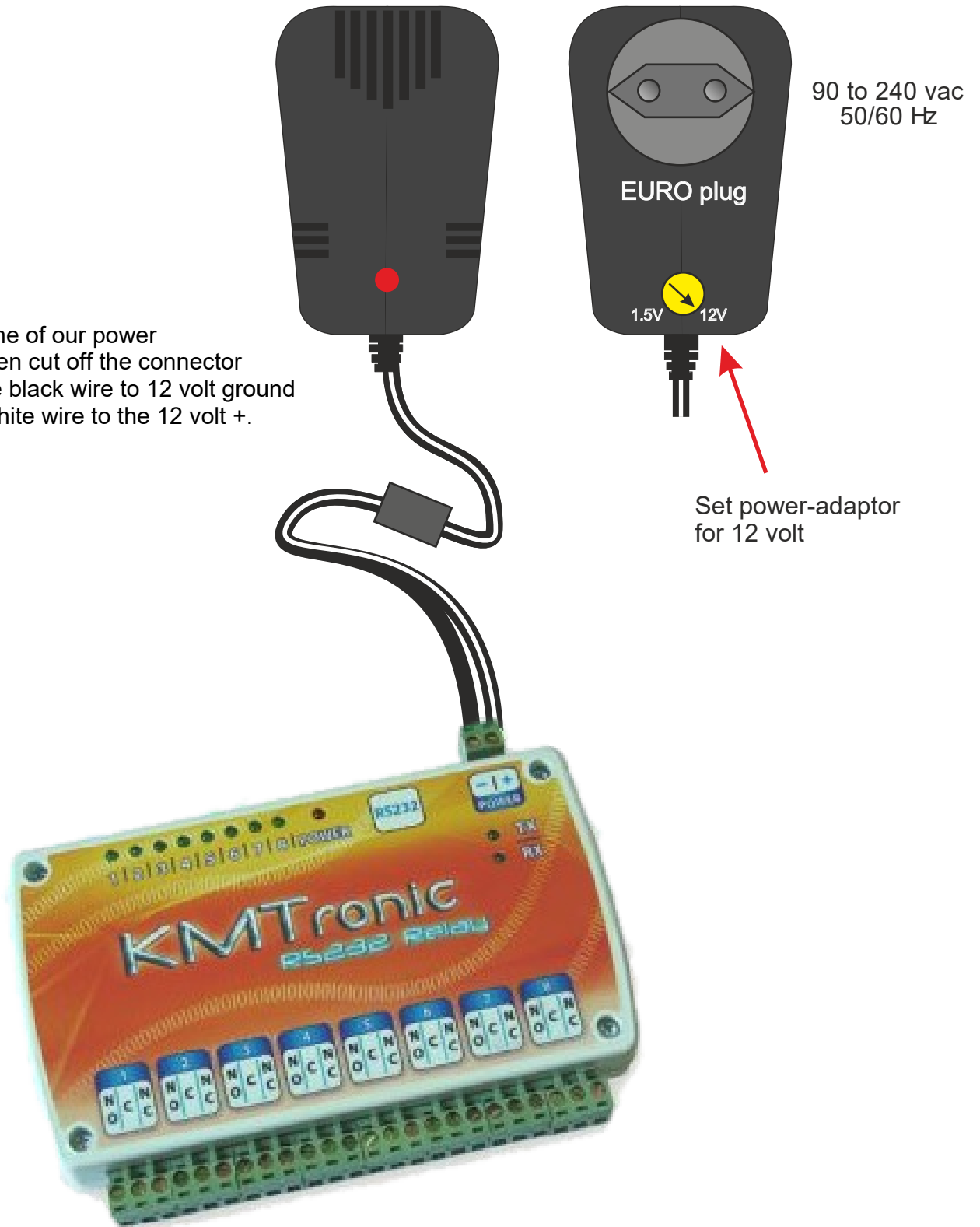
Activated connection to Common when relays is activated (also called Normally Open)

Resting connection to Common when relays is resting (also called Normally Closed)

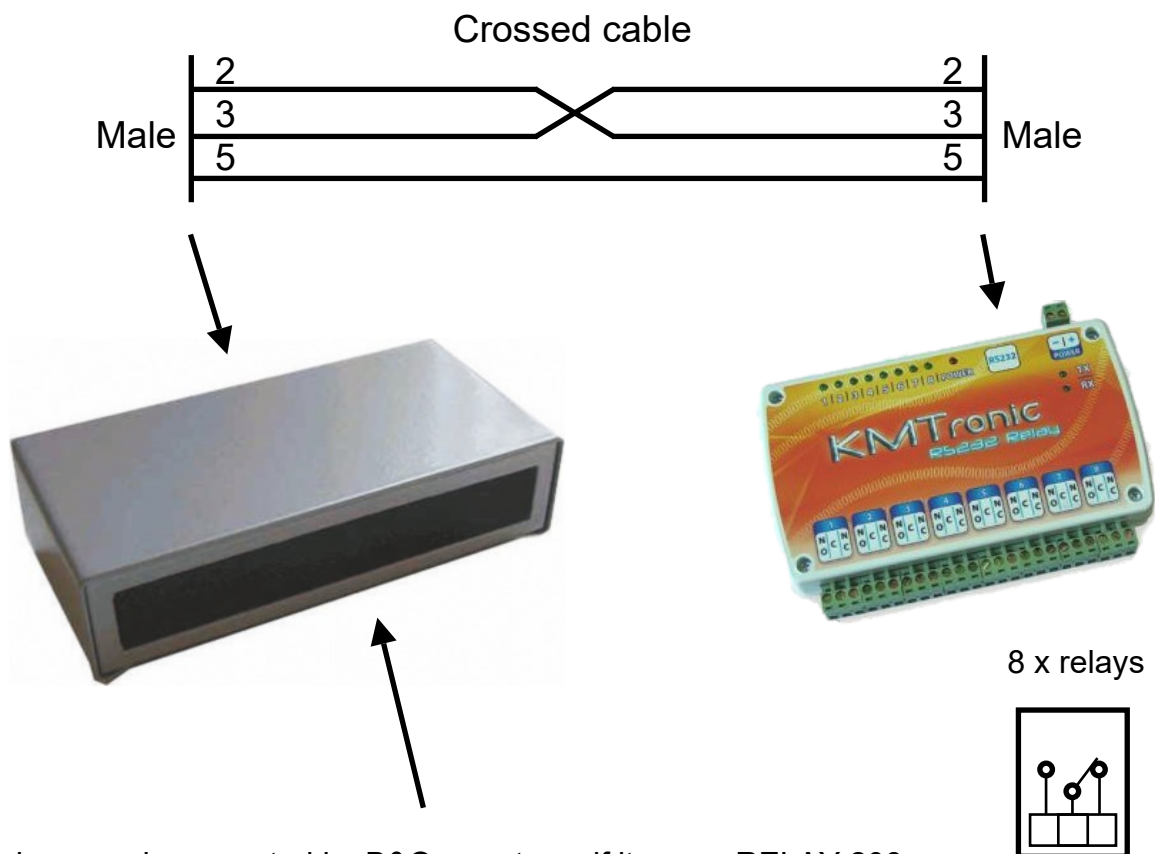
Common

# Power supply

If you use one of our power adaptors, then cut off the connector and feed the black wire to 12 volt ground and black-white wire to the 12 volt +.



# RS232 cable



Relays can be operated by B&O remote as if it was a RELAY 208:

- numbers, 0 - 9
- colors, Red, Green, Yellow, Blue - short or long push

Functionality can be configured to work as:

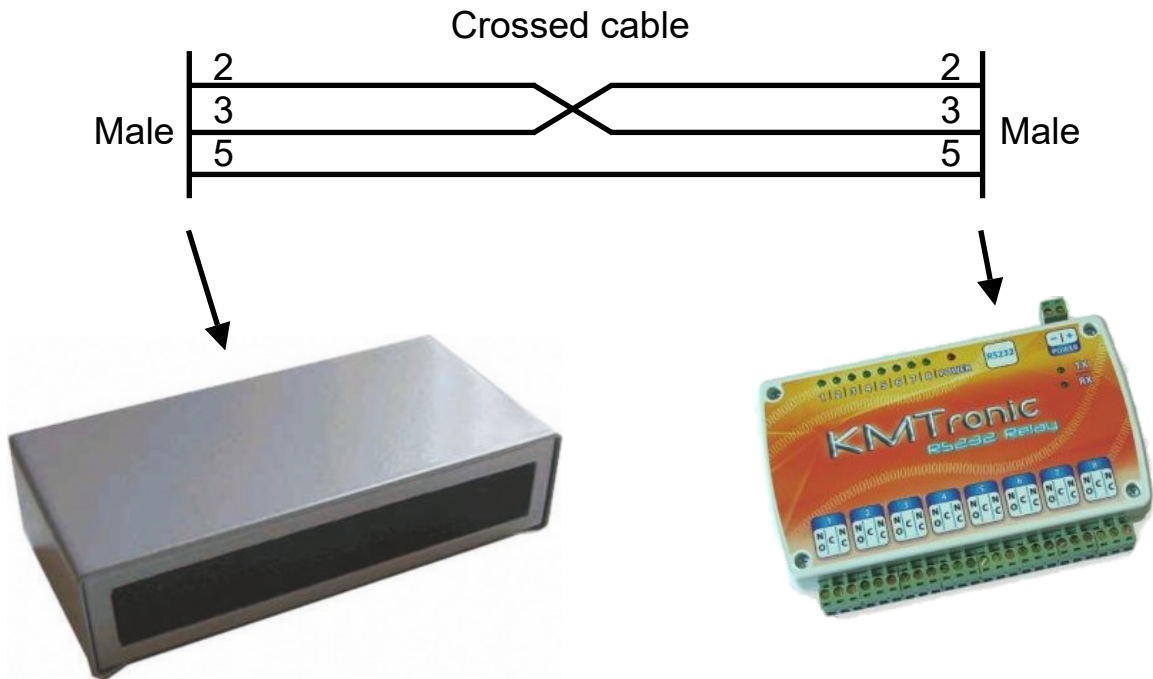
- 8 individual relays on/off (for example light)
- 4 paired relays (for example curtains, lifts, motors)

Activate the wanted relay and it will turn off automatically when wanted.  
Timing can easily be adjusted in the configurator.

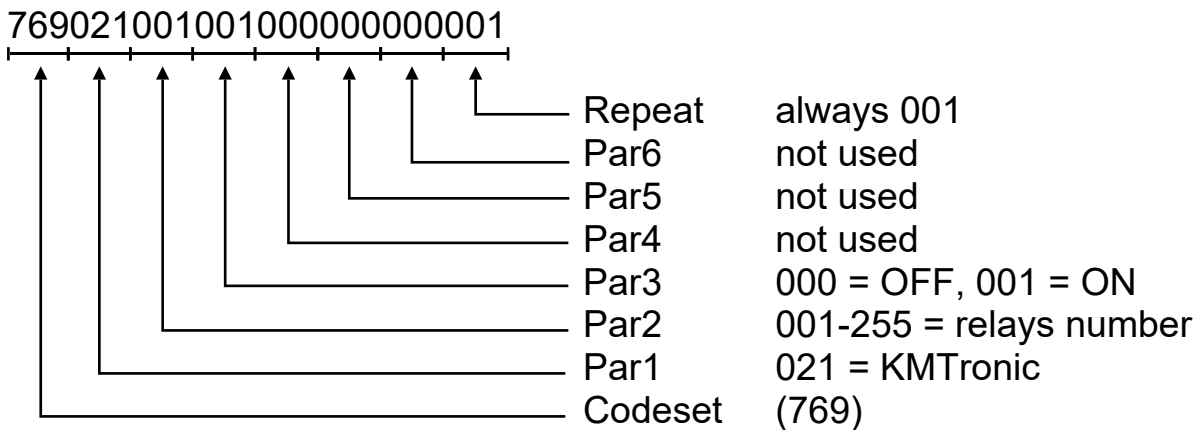
## Or

You can control the KMTRONIC relays in the Memory Map of the TT455-RT-238.

# Memory Map

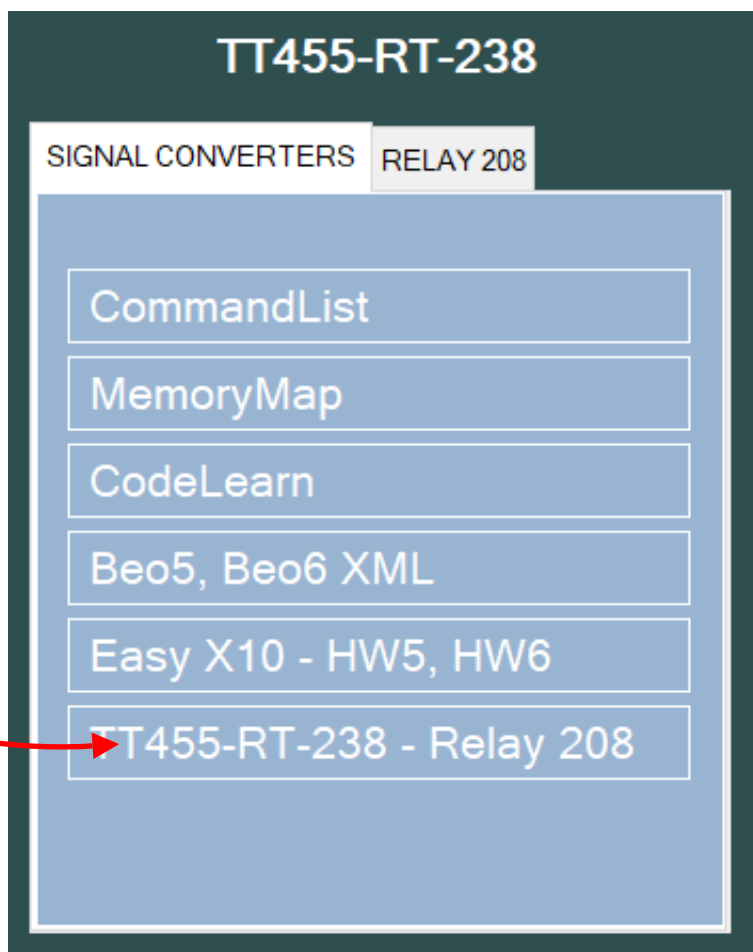


KMTronic is controlled by CodeSet 769 (RS232), sending out commands on the TT455-RT-238's comport 1 (pin 7-8) or comport 2 (pin 2-3), at baudrate 9600 bps.



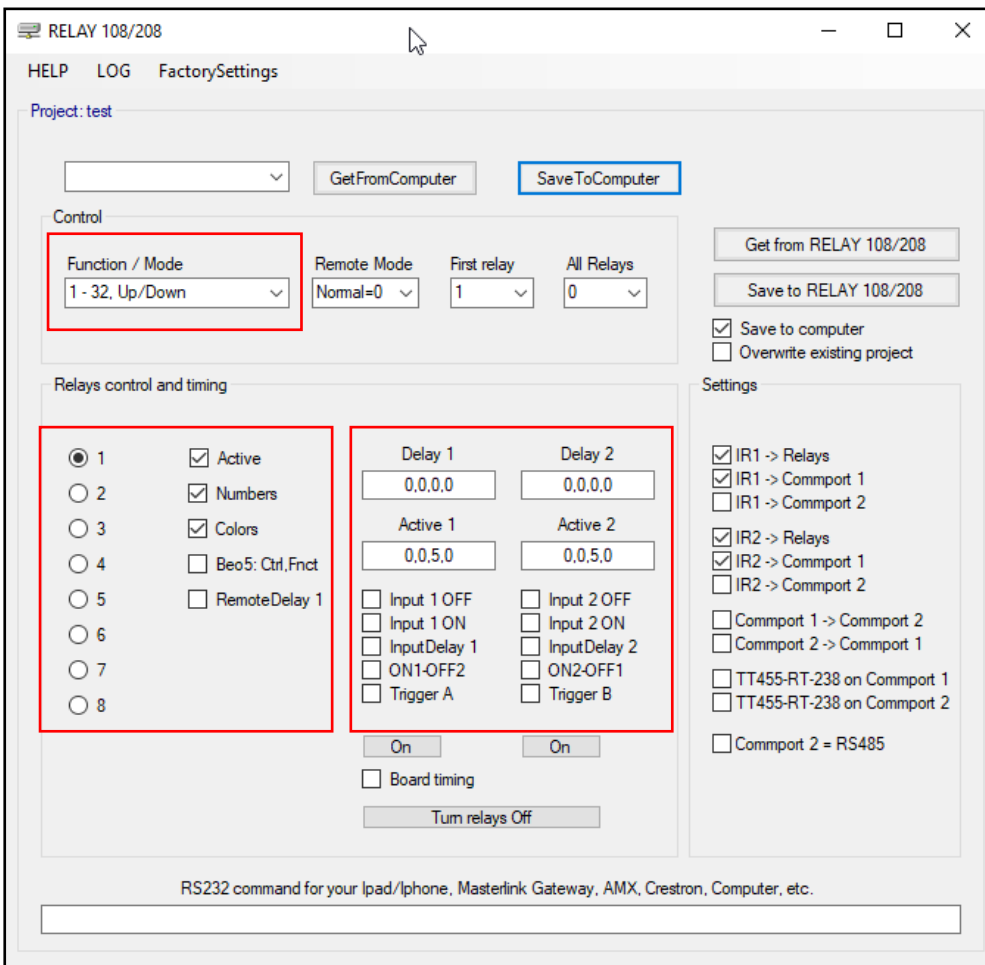
# The following pages describe how KMTronic relays are controlled as if it was a LinTronic Relay 208.

A new tab has been added in order to let the TT455-RT-238 control the KMtronic relays as if it was a RELAY 208.



# Mode/Timing

In the configurator you can specify operation mode and timing



# MODE: 1-32, Up/Down

Relays are controlled in pairs 2 by 2, for up/down control of curtains, lifts, motors, etc.

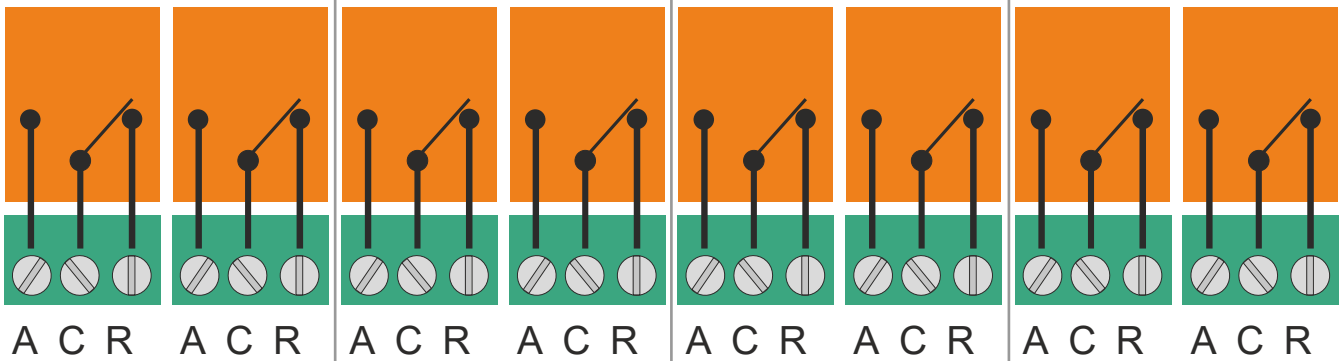


curtain 1  
up down  
1 2

curtain 2  
up down  
3 4

curtain 3  
up down  
5 6

curtain 4  
up down  
7 8





# Operation by Numbers

## Function/Mode: 01-32 up/down

Mode 01-32 was designed for control of curtains and other motors.

In this mode the relays are paired together 2 by 2:

- Motor 1 = Relay 1 and 2
- Motor 2 = Relay 3 and 4
- Motor 3 = Relay 5 and 6
- Motor 4 = Relay 7 and 8

LIGHT 1 UP	stops relay 2 if active, and then controls relay 1 (if Active and set for Numbers).
LIGHT 1 DOWN	stops relay 1 if active, and then controls relay 2 (if Active and set for Numbers).
LIGHT 2 UP	stops relay 4 if active, and then controls relay 3 (if Active and set for Numbers).
LIGHT 2 DOWN	stops relay 3 if active, and then controls relay 4 (if Active and set for Numbers).
LIGHT 3 UP	stops relay 6 if active, and then controls relay 5 (if Active and set for Numbers).
LIGHT 3 DOWN	stops relay 5 if active, and then controls relay 6 (if Active and set for Numbers).
LIGHT 4 UP	stops relay 8 if active, and then controls relay 7 (if Active and set for Numbers).
LIGHT 3 DOWN	stops relay 7 if active, and then controls relay 8 (if Active and set for Numbers).

Note: If you click up/down when the motor is already running up/down, it will stop.

### Relay control

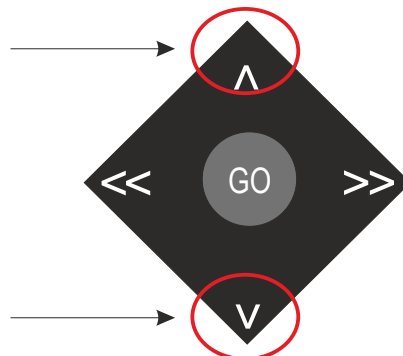
Relay number  
1 through 32

Up

Down

### LIGHT

7	8	9
4	5	6
1	2	3
0		



# Operation by Colors

## Function/Mode: 01-32 up/down

Mode 01-32 was designed for control of curtains and other motors.

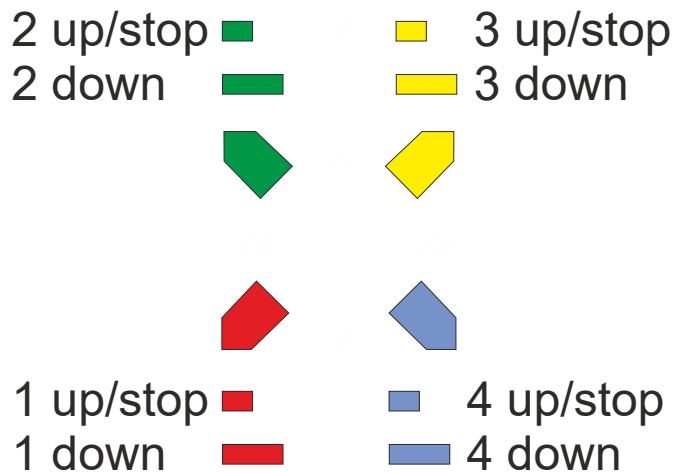
In this mode the relays are paired together 2 by 2:

- Motor 1 = Relay 1 and 2
- Motor 2 = Relay 3 and 4
- Motor 3 = Relay 5 and 6
- Motor 4 = Relay 7 and 8

LIGHT RED SHORT	stops relay 2 if active, and then controls relay 1 (if Active and set for Colors).
LIGHT RED LONG	stops relay 1 if active, and then controls relay 2 (if Active and set for Colors).
LIGHT GREEN SHORT	stops relay 4 if active, and then controls relay 3 (if Active and set for Colors).
LIGHT GREEN LONG	stops relay 3 if active, and then controls relay 4 (if Active and set for Colors).
LIGHT YELLOW SHORT	stops relay 6 if active, and then controls relay 5 (if Active and set for Colors).
LIGHT YELLOW LONG	stops relay 5 if active, and then controls relay 6 (if Active and set for Colors).
LIGHT BLUE SHORT	stops relay 8 if active, and then controls relay 7 (if Active and set for Colors).
LIGHT BLUE LONG	stops relay 7 if active, and then controls relay 8 (if Active and set for Colors).

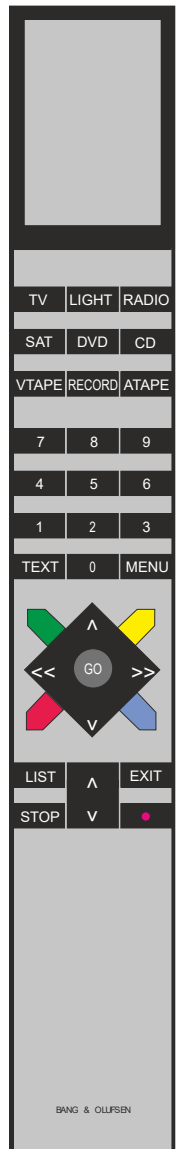
Note: A short activation will stop the current up/down.

## Relay control



Short activation is Up or Stop

Long activation is Down

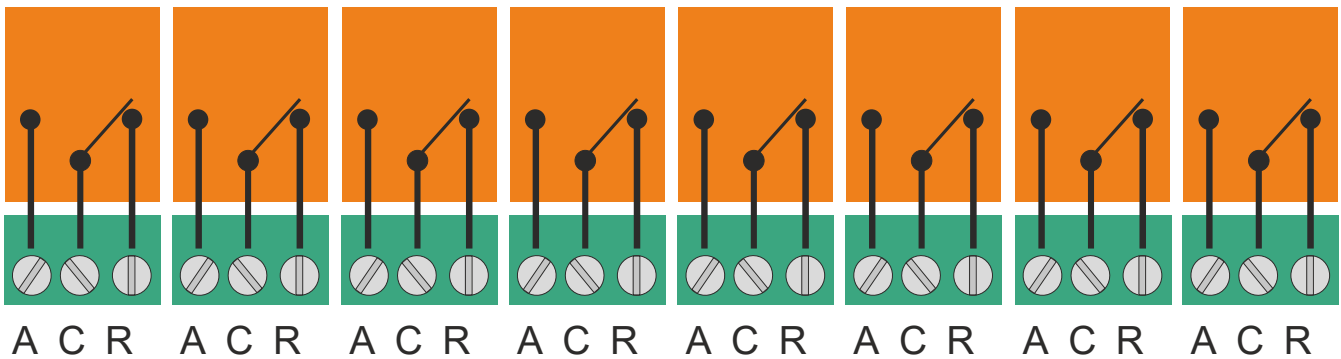


# MODE: 1-64, On/Off

Relays are controlled individually On/Off, for control of lights, etc.



1 2 3 4 5 6 7 8



# Operation by Numbers

## Function/Mode: 01-64 On/Off

Mode 01-64 was designed for individual control of the relays.

LIGHT x UP controls relay x on (if Active and set for Numbers).  
 LIGHT x DOWN controls relay x off (if Active and set for Numbers).

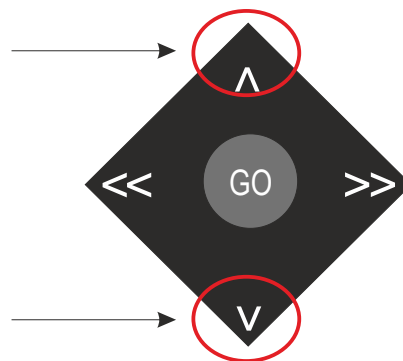
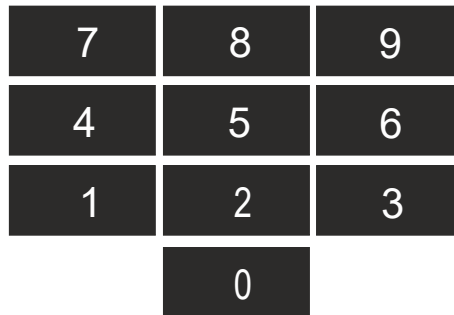
Relay control

Relay number  
1 through 64

On

Off

**LIGHT**



# Operation by Colors

## Function/Mode: 01-64 on/off

Mode 01-64 was designed for individual control of the relays.

LIGHT RED SHORT	controls relay 1 On (if Active and set for Colors).
LIGHT RED LONG	controls relay 2 On (if Active and set for Colors).
LIGHT GREEN SHORT	controls relay 3 On (if Active and set for Colors).
LIGHT GREEN LONG	controls relay 4 On (if Active and set for Colors).
LIGHT YELLOW SHORT	controls relay 5 On (if Active and set for Colors).
LIGHT YELLOW LONG	controls relay 6 On (if Active and set for Colors).
LIGHT BLUE SHORT	controls relay 7 On (if Active and set for Colors).
LIGHT BLUE LONG	controls relay 8 On (if Active and set for Colors).

### Relay control

### LIGHT

Note:  
In this mode you cannot stop the relays by the colors. The relays must be able to time out or be turned off by for example BEO5 commands or digital inputs.

