

## UCM300 Security module to control Hydraulic GMV® plant

### ■ Description:

UCM300 security module to control hydraulic GMV® valve systems NGV protection against the uncontrolled movement of cabin (UCM, Unintended Car Movement) in compliance of the Addendum 3 of EN 81-2:1998+A3:2009 (point 9.13).

### Functional description.

The standard EN81-2:1998+A3:2009 says that in item "hydraulic elevators must be provided means for stopping the uncontrolled movement of the cabin past the plant and with the landing door in locked and the car door is not closed."

The Ucm300 module monitors the status of RDY and RUN signals from the central NGV GMV® valve A3, indicating the correct operation of the valves of the plant. If you detect an error in the central the module locks into the implementation of the lift for next boot. The refore the module warns against uncontrolled movement cabin.

Series by entering the module detects when the car is standing with open doors.

The end voltaje range that reaches the manouver is passed through two relay contacts K1 and K2 connected in series, so that when you select the serial input of the module is closed relay contacts, and when you clear the entrance open. Each circuit monitors the status of the relay circuit so that opposite if one of the circuits is activated in the next switching circuit is not connected to the other, preventing activate the output (redundant safety).

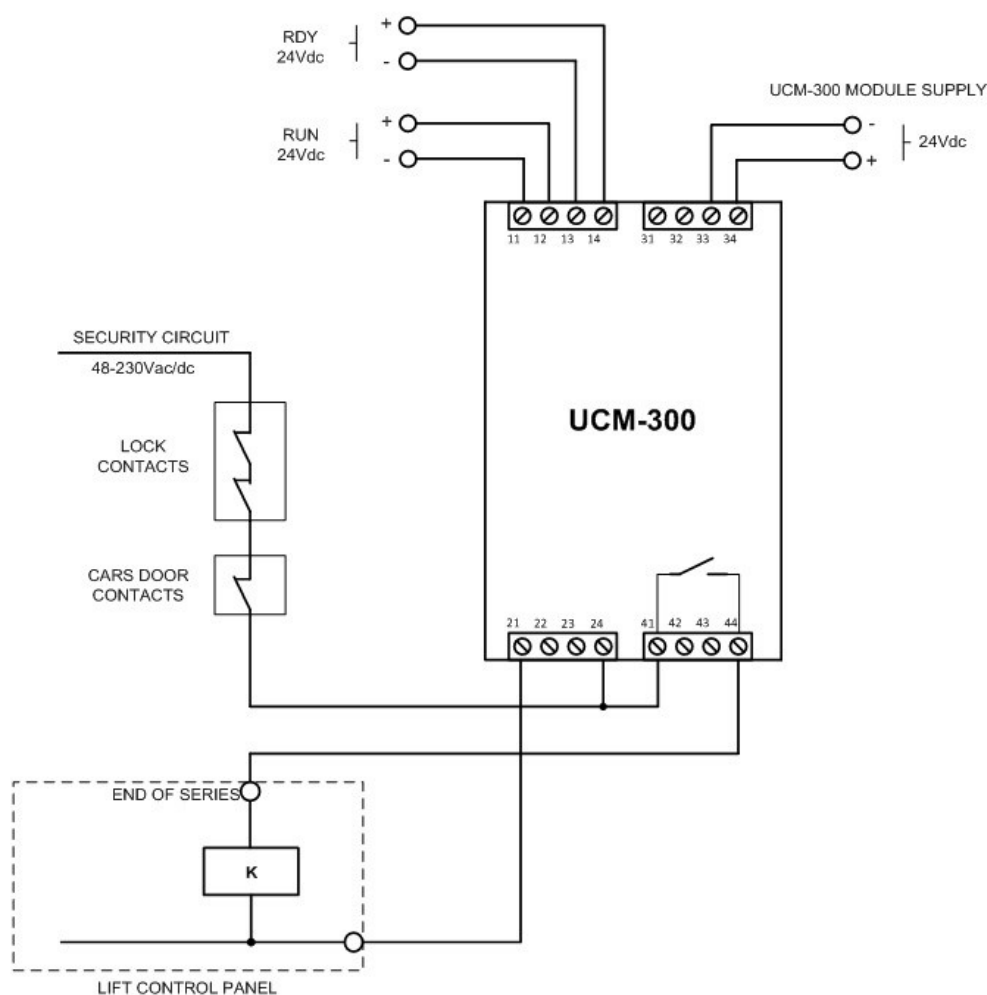


## ■ Electrical features

- Supply voltage: 20 to 30 Vdc.
- Voltage control signals RUN & RDY: 20 to 30 Vdc.
- Voltage input range: 48 to 230Vac/dc.
- Relay contact module: 8A 250Vac.

## ■ Wiring diagram

Always connect the module UCM300 to maneuver and a switch as shown GMV® the scheme:



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Note: The company reserves the right to supply materials that may differ slightly from those described in this catalogue.