Control relays

MCR

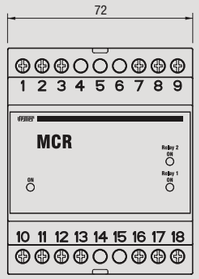
Relay designed for a more balanced wear of pumps, compressors, generators, etc. when two units are installed, one working and one spare.

The operating principle is based on the alternation of the motor start-up commands at each closure of the input contact piloted by an external automatism (a pressure regulator, for example).

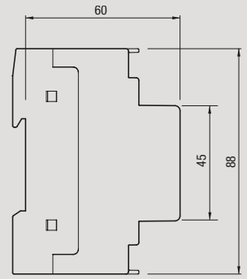
- Operating method:
  - alternating
  - simultaneous
  - multi-stage to command more motors (n>2)

DIMENSIONS (mm)

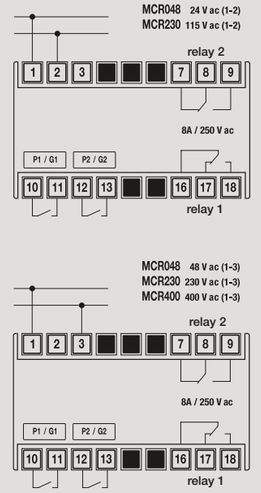
Front view



Side view



CONNECTION DIAGRAM



Diagram

Power supply (~)	
MCR048	
Terminal	Voltage
1-2	24 V ~
1-3	48 V ~
MCR230	
Terminal	Voltage
1-2	115 V ~
1-3	230 V ~
MCR400	
Terminal	Voltage
1-3	400 V ~

MOTORS ALTERNATION CONTROL RELAY

- Insulation: power supply and load circuits electrically insulated at double insulation level
- Container: grey colour RAL-7035
- Case material: self-extinguishing in class V0 according to the UL-94 standard

Code	Model	Description	Power supply
VP813000	MCR048	Motors alternation control relay	24 - 48 VAC
VP812200	MCR230	Motors alternation control relay	115 - 230 VAC
VP811400	MCR400	Motors alternation control relay	400 VAC

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply	V AC	24-48-115-230-400
Frequency	Hz	50 / 60
Absorption	VA (W)	3.5 (2.5)
Terminal blocks		6 mm²
Container		4 DIN modules
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-10 ÷ +60
Humidity		20% ÷ 90% non condensing

Output 1			
Relay capacity with change-over contact	AT 250 V AC	A	8
maximum switchable voltage in AC		V	380
maximum switchable current in AC		A	10
maximum switchable power in AC		VA	2000
Output 2			
Relay capacity with change-over contact	AT 250 V AC	A	8
maximum switchable voltage in AC		V	380
maximum switchable current in AC		A	10
maximum switchable power in AC		VA	2000

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low Voltage) and 2005/108/EC (E.M.C.)
is declared with reference to the following standards: • Safety: EN 61010-1 • E.M. Compatibility: EN 61000-6-2 / EN 61000-6-4