



Low Voltage Hoist Controller

Instruction Manual

Models:

MCPH2-LV-CEE

version 1.1 since 24 July 2020

ATTENTION!

This instruction manual contains important information about the installation and the use of the equipment. Please read and follow these instructions carefully.

Always ensure that the power to the equipment is disconnected before opening the equipment or commencing any maintenance work.

General information

IMPORTANT INSTRUCTIONS

All safety and operating instructions should be read before the equipment is installed or operated.

IMPORTANT SAFETY INFORMATION

The following general safety precautions have to be observed during all phases of operation, service, and the repair of this equipment. Failure to comply with these precautions or with specific warnings in this manual violates safety standards of design, manufacture, and the intended use of this equipment.

Do not operate in an explosive atmosphere!

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

Water, moisture, heat and humidity

Do not operate this equipment near water, in areas with wet floors or in high humidity atmosphere where condensation forms on the equipment. It should never be placed near or over a heat register or other source of heated air and it should not be installed or operated without proper ventilation.

Functions and Control

The MCPH2-LV-CEE motor controller was designed to control up to two electrically compatible motors low voltage controlled, separately or simultaneously using the switches located on the yellow body of the controller.

The device is equipped with the Manual Phase Align (MPA) module that allows swapping between phases easily by rotating pins L2 and L3 on the main connector.

All electrical components carry their own individual cSA/UL and CE and comply with the European Directives. The components are housed in a robust plastic yellow box. Complete unit complies with the CE according to the Certification of conformity attached to this manual.

Operation

The Motor/Hoists connected to the MCPH series controller can be activated individually or simultaneously using the direction switches located on the remote.

How to start

- Connect the CEE16/5p plug to the AC400V $\pm 20\%$ power supply.
- Make sure that the emergency STOP button on the device is not engaged.
- Connect the plugs of electric hoists to the sockets of red CEE16/4p, 5p* to power the hoists and yellow CEE16/4p for control signals.
- Try to operate the hoist by pressing the direction switches.
- If the hoist runs in an opposite direction to one marked on the controller, unplug the CEE16/5p mains and twist pins of phases L2 and L3.

- When the device is not being used at the moment, it is highly recommended to turn it off by a press of the STOP button.

Controller preview

STOP:

This latching pushbutton turns the Hoist Control system to an inactive state and stays in it. To release it, rotate the STOP button clockwise.

DIRECTION SWITCHES:

They allow changing the direction of movement for each motor/hoist separately.

Output connector wiring

Female CEE16/4p Red

Pin	Function	note
L1	Live X	
L2	Live Y	
L3	Live Z	
PE	Earth	

Female CEE16/5p Red *optional

Pin	Function	note
L1	Live X	
L2	Live Y	
L3	Live Z	
N	Not connected	
PE	Earth	

Male CEE16/4p Yellow, LITEC, OUTBOARD, LTM

Pin	Function	note
L1	UP	
L2	DOWN	
L3	COMMON	
PE	Earth	

Male CEE16/4p Yellow, CM, VERLINDE, PROLYTE

Pin	Function	note
L1	Live X	
L2	Live Y	
L3	Live Z	
N	Not connected	
PE	Earth	

Technical data

- Mains input AC400V \pm 20% 50/60Hz
- Mains Plug: CEE16A/5p
- Outputs:
 - CEE16A/4p RED female
 - CEE16/4p YELLOW male

Warranty

MCPH series hoist controller is covered by a 12-month manufacturer's warranty. For extended warranty conditions, please contact the manufacturer at sales@srs-group.com.

The warranty covers the original factory installed components of the controller and their correct functioning.

The warranty voids if any part or replacement component is installed or modified without authorization from the manufacturer and/or the internal circuit is tampered or modified and/or the controller is operated outside of normal using conditions – electrical power supply is not conform or there is connection error or mechanical damage of controller, including overload and improper use.

The manufacturer always helps with the repair of each unit.

Declaration of conformity

DECLARATION OF CONFORMITY

According to the guide lines 89/336 EEC and 92/31 EEC, 90/337 CEE Annex II A:

Name of producer: SRS Group s.r.o.

Address of producer: Rybnicna 38/B, SK- 83107 Bratislava, Slovak Republic
www.srs-group.com/ sales@srs-group.com, +421232661800

Declares that the product

Name of product: MCPH low voltage hoist controller

Types:

MCPH1-LV-CEE, MCPH2-LV-CEE + variants

Are in compliance with the

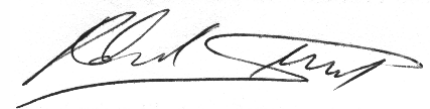
Machinery directive: 2006/42/EC

Low Voltage directive: 2006/95/EC

Applied harmonized standards (or parts/clauses) in particular:

EN ISO 12100-1
EN ISO 12100-2
EN ISO 13850
ISO 13852
ISO 13854
IEC 34-1
IEC 34-2 ,
IEC 364
IEC 60204-1
IEC 946-5-1

Bratislava, 4 May 2011



Robert Sloboda



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SRS Group s.r.o.

Rybnicna 38/B | 831 07 Bratislava | Slovakia

Phone: +421 2 32 661 800

Email: sales@srs-group.com | www.srs-group.com

