



# Direct Hoist Controller

## Instruction Manual

Models:

# PMC2-LV-CEE

version 1.1 since 3 February 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 PMC2-LV motor controller was designed to control up to two low voltage controlled electrically compatible motors separately or simultaneously using the switches located on the front panel of the controller.

Each 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. All components are housed in a robust box with powder coating. Complete unit complies with the CE according to the Certification of conformity attached to this manual.

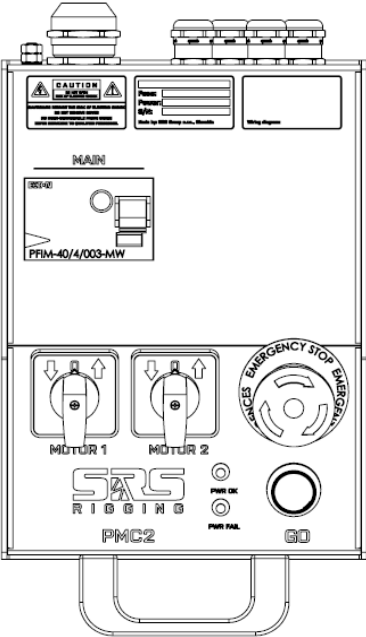
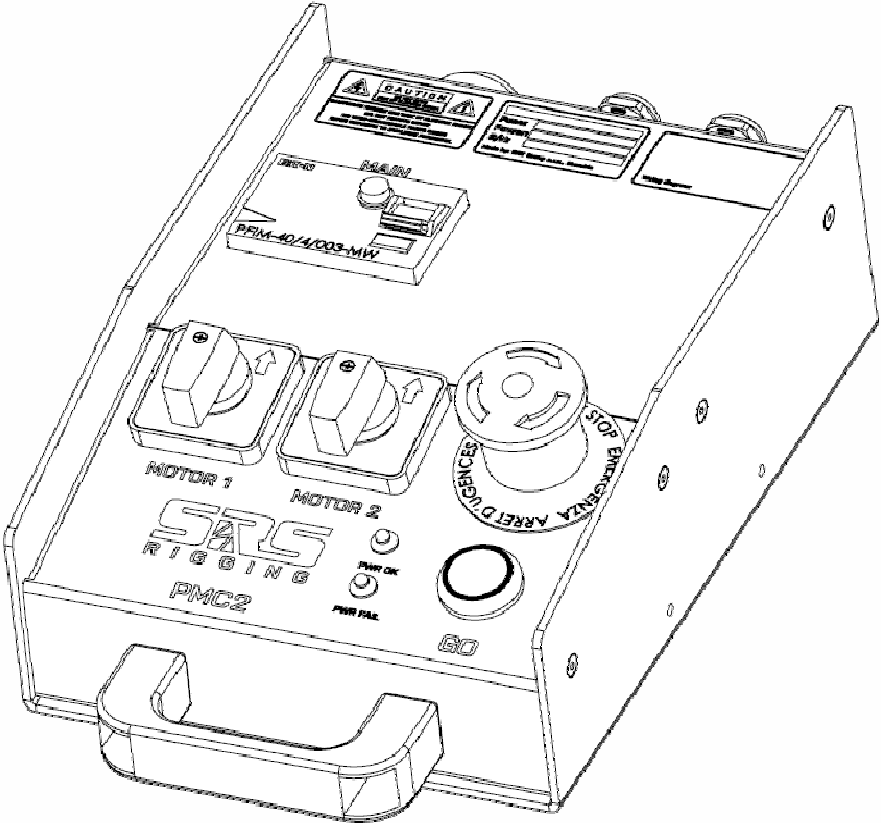
## Operation

The Motor/Hoists connected to the PMC2-LV controller can be activated individually or simultaneously using the direction switches located on the body of controller.

### 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, to power the hoists and yellow CEE16/4p for control signals. Try to operate the hoist by pressing the direction switches.
- If the power ERROR RED led is on or the hoist runs in an opposite direction to one marked on the controller, unplug the CEE16/5p mains and twist 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. **During activation of GO the both power outputs are activated.**

## 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         |      |

### 944023 Male CEE16/4p Yellow, CM/Stagemaker/Prolyte

| Pin | Function | note |
|-----|----------|------|
| L1  | CMN      |      |
| L2  | UP       |      |
| L3  | DOWN     |      |
| PE  | Earth    |      |

### 944029 Male CEE16/4p Yellow, LITEC/OUTBOARD/LTM

| Pin | Function | note |
|-----|----------|------|
| L1  | UP       |      |
| L2  | DOWN     |      |
| L3  | COMMON   |      |
| PE  | Earth    |      |

## Technical data

- Mains input AC400V  $\pm 20\%$  50/60Hz
- Mains Plug: CEE16A/5p
- Protection: Combined C16A and RCD30mA breaker
- Outputs:
  - 2x CEE16A/4p RED female for power
  - 2x CEE16A/4p YELLOW male for control

## Warranty

PMCseries hoist controller is covered by a 12-month manufacturer's warranty. For extended warranty conditions, please contact the manufacturer at [sales@srs-group.com](mailto: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

According to the specification of Machinery Directive 2006/42/CE, Annex II A:

Name of producer: SRS Group s.r.o.  
Address of producer: Rybníčná 36/D  
821 07 Bratislava  
Slovakia

*Declares that the product*

Name of product: **PMC2-LV-CEE**  
Type: **970073**  
**Year of construction: 2017**

*Corresponds with the following harmonized standards:*

**Safety:** EN 60065  
EN 60950  
EN 60204-1  
EN 13850  
EN 12100-2  
**EMC:** EN55103-1, resp. EN55103-2

*And is in compliance with following requirements:*

**Machinery directive:** 2006/42/CE  
**Low Voltage directive:** 2014/35/CE  
**Electromagnetic compatibility directive:** 2014/30/CE

Bratislava, 6 July 2017

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