

# Mode R6 Rack Mount Motor Controller

## Technical Guide

Model: M6-A6P-1S



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## 1 Motor Controller Description

- Model Name: **M6-A6P-1S**
- Support for 6 Mode 611 electric hoist motors
- Built-in 3 Phase Power Distribution
- Wireless Functionality with Remote Control
- Input: **3Phase N+PE, 32A, 380-415V, 50-60Hz**
- Manufactured by Mode Hoist for PHANTOS in Australia
- **Warning: Dangerous Voltage Inside. Refer Service to Qualified Personnel Only.**
- **Complies to CE Standards:**  
EN 60947-1:2007+A2:2014,  
EN 61000-6-1:2007,  
EN 61000-6-3:2007+A1:2011,  
EN 61000-3-2:2014,  
EN 61000-3-3:2013

## 2 Motor Controller Front and Back Panels

### 2.1 Front Panel



#### 1) 6 Hoist Direction Control Panel

- 2) **Green Indicator LED:** In Local Control Mode, it indicates an upward direction. In Remote Control Mode, it indicates the corresponding hoist has been selected.
- 3) **Direction Latch Switches:** To change direction of the corresponding hoist, pull the switch and latch it onto its up or down position.
- 4) **Red Indicator LED:** In Local Control Mode, it indicates a downward direction. In Remote Control Mode, it indicates the corresponding hoist has been selected.

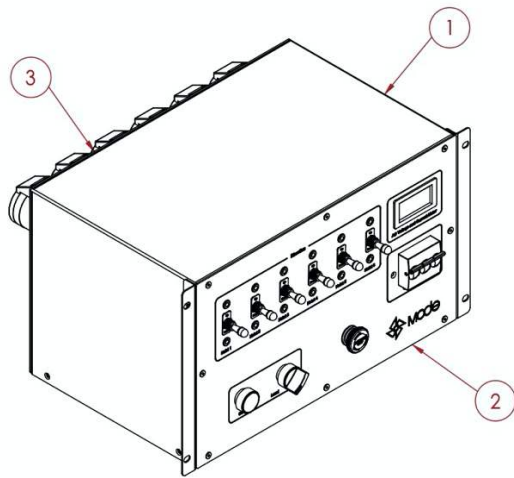
- 5) **Go Button:** Press and hold to engage chain movements. Release to stop.
- 6) **Control Mode Switch:** Switch left to set Local Control Mode, which bypasses the remote control. Switch right to set Remote Control Mode, which bypasses the Direction Latch Switches and Go Button on the rack panel. To bypass both, set the switch in its middle position.
- 7) **Emergency Stop Button:** Press to emergency stop any chain movements. Twist in clockwise direction to release the emergency stop.
- 8) **AC Voltage and Current Meter:** Display AC Voltage and Current.
- 9) **Circuit Breaker** for the power going to all hoists.

## 2.2 Back Panel

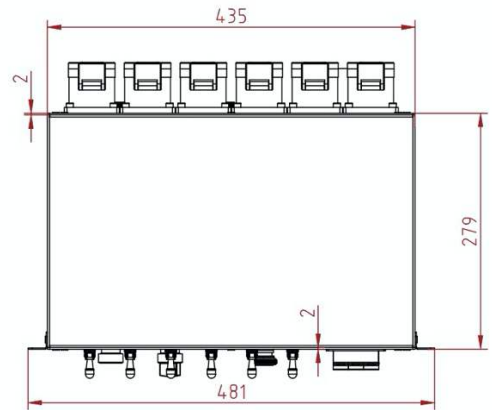


- 1) **3 Phase Power Out Connections to 6 Hoists**
- 2) **Control Data Out Connections to 6 Hoists**
- 3) **3 Phase Power In**

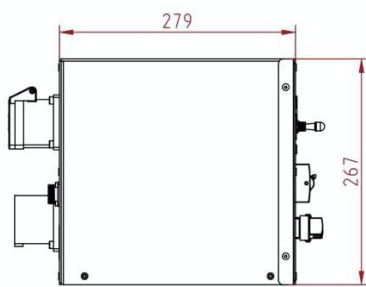
### 3 Motor Controller Dimensions



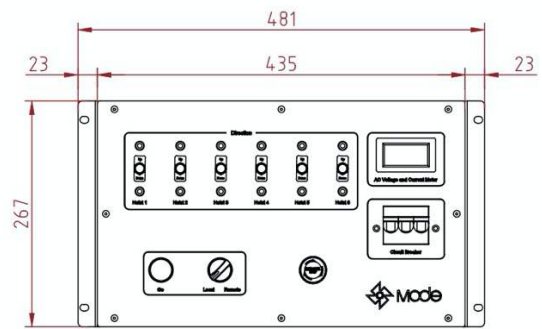
ISOMETRIC VIEW



TOP VIEW

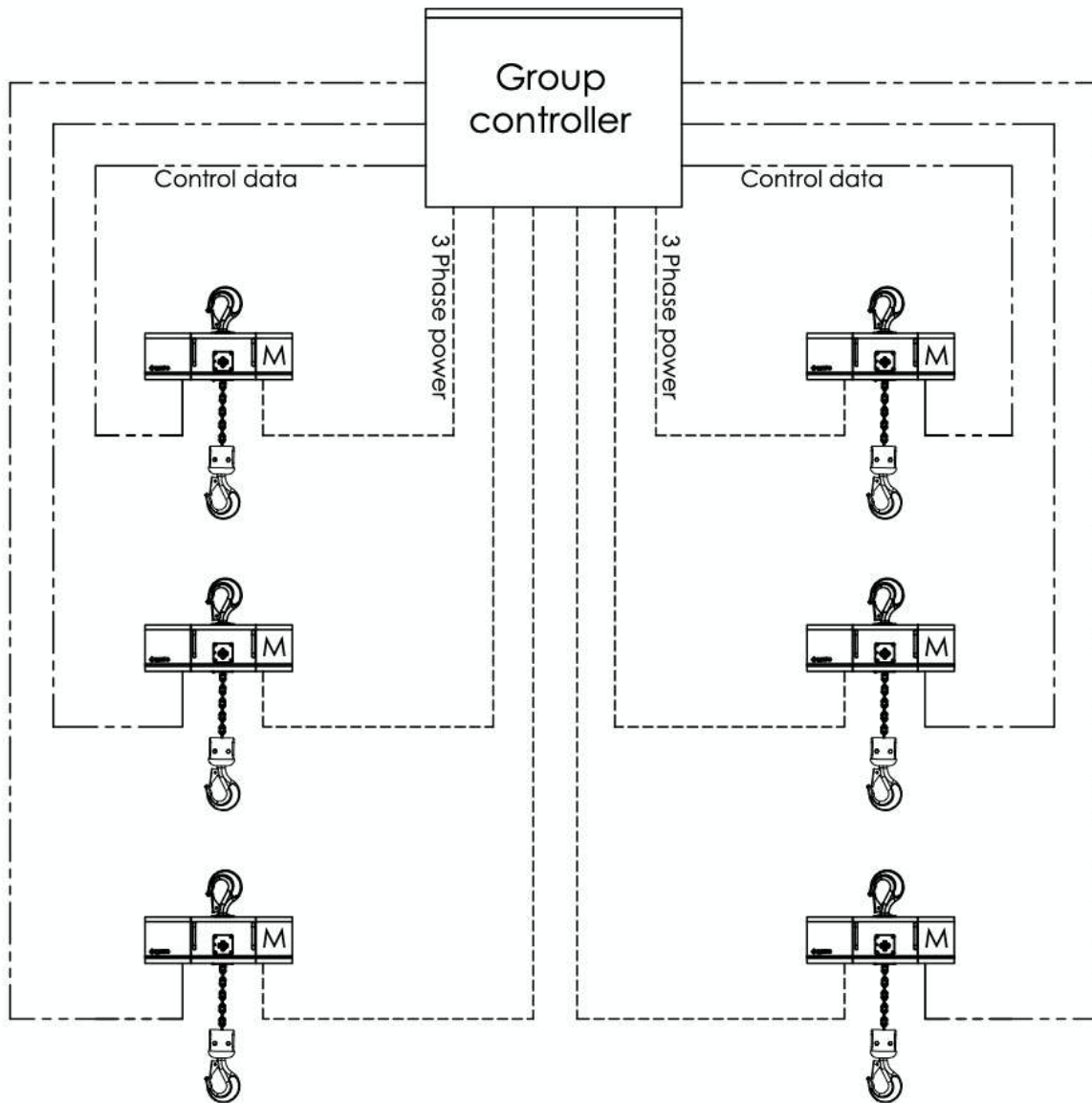


SIDE VIEW



FRONT VIEW

### 4 Example of Use



## 5 Remote Control for Motor Controller



**1) Emergency Stop Button:** Press to emergency stop any chain movements. Twist in clockwise direction to release the emergency stop.

**2) “On” Button:** Press to turn on all functionalities with the remote control, at the beginning of every use of the remote control or after any emergency stops.

**3) Hoist Selection Buttons:** Press to engage / press again to disengage any corresponding hoists. The status of which hoists are engaged will be indicated on both Green and Red Indicator LEDs on the rack front panel.

**4) Up/Down Buttons:** After desired hoists are engaged with hoist selection buttons, press and hold UP button to move up corresponding hoist chains. Press and hold DOWN button to move down corresponding hoist chains. Release the button will stop the movement.