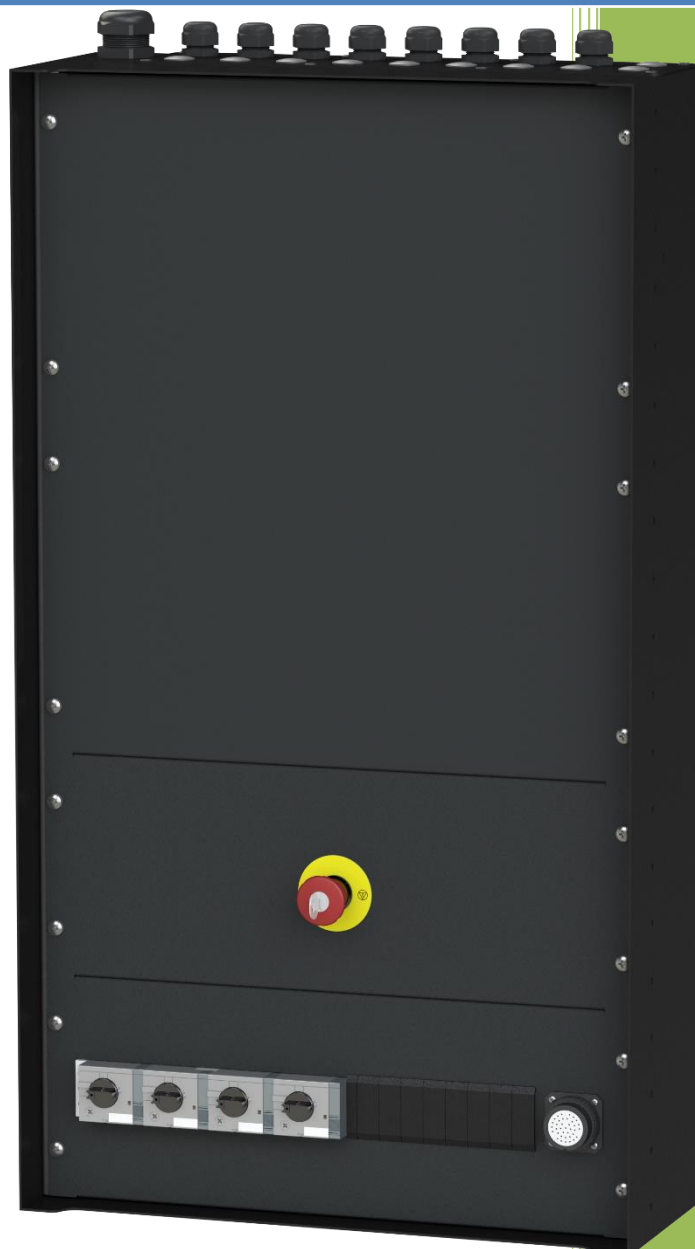


UMC04-06-08-10-12ADVW Quick Start Manual



02/2017

I - Safety information

WARNING:

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

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

Read this first!

It is extremely important to read ALL safety information and instructions provided in this
manual and any accompanying documentation before installing and operating the products
described herein.

UMC04-06-08-10-12 ADVW controller is only to be installed and operated by competent
persons.

Such a person shall have a sufficient level of experience in lifting operations with
multiple hoists, under circumstances that occur in the entertainment business, using
controllers like the UMC04ADVW.

Furthermore the user shall have sufficient visual and audible abilities as to be able to react to
signals given by others, spot hazards up-front.

Read all cautions and warnings during installation and use of this product.

Keep this instruction manual for future reference

This unit does not contain any user serviceable parts.

Do not open this unit. Doing so will void warranty and might present a risk.

Servicing must be performed by qualified personnel only.

Servicing is required when the apparatus has been damaged in any way, such as:
power supply cord or plug damage, if liquid has been spilled or has fallen into the apparatus,
the apparatus has been exposed to rain or moisture, does not operate normally, has been
dropped, or when it is due for periodic inspection and/or servicing.

This unit is designed for indoor use. Do not use this unit outdoor or in a wet or damp
environment or near water.

Do not install near any heat sources such as radiators, heat registers,
stoves, or other devices (including amplifiers) that produce
heat.

This unit is not designed for residential use. (designed as 89/336/EEC Class A device)
Do not defeat the safety purpose of the polarized or grounding-type plug.
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cable from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. When damaged, replace the power cable.

Unplug this apparatus during lightning storms or when unused for long periods of time.

WARNING!

UMC XX ADVW controller contain electrical parts that work with 3-phase 400 + N + E
Only qualified service personnel is allowed to open this device: severe injury or even death may occur when handled incorrect.

General Warning.

The UMCxx ADVW product is intend for professional Rigging applications.

Only use this equipment if you are a competent professional.

Safety

Over-current

Channels are equipped with an over-current and short circuit protection, If one of these protections engages, all movements will be stopped, at other linked controllers also. A reset is necessary to continue moving hoists.

IMPORTANT

Main phase detection

The UMC xx ADVW is equipped with a phase detector controller.
if the controller doesn't work after connected the remote and released the E-Stop button, please to swap 2 phases on the main terminal block. (L1-L2-L3 to L1-L3-L2)

Direct control and low voltage control

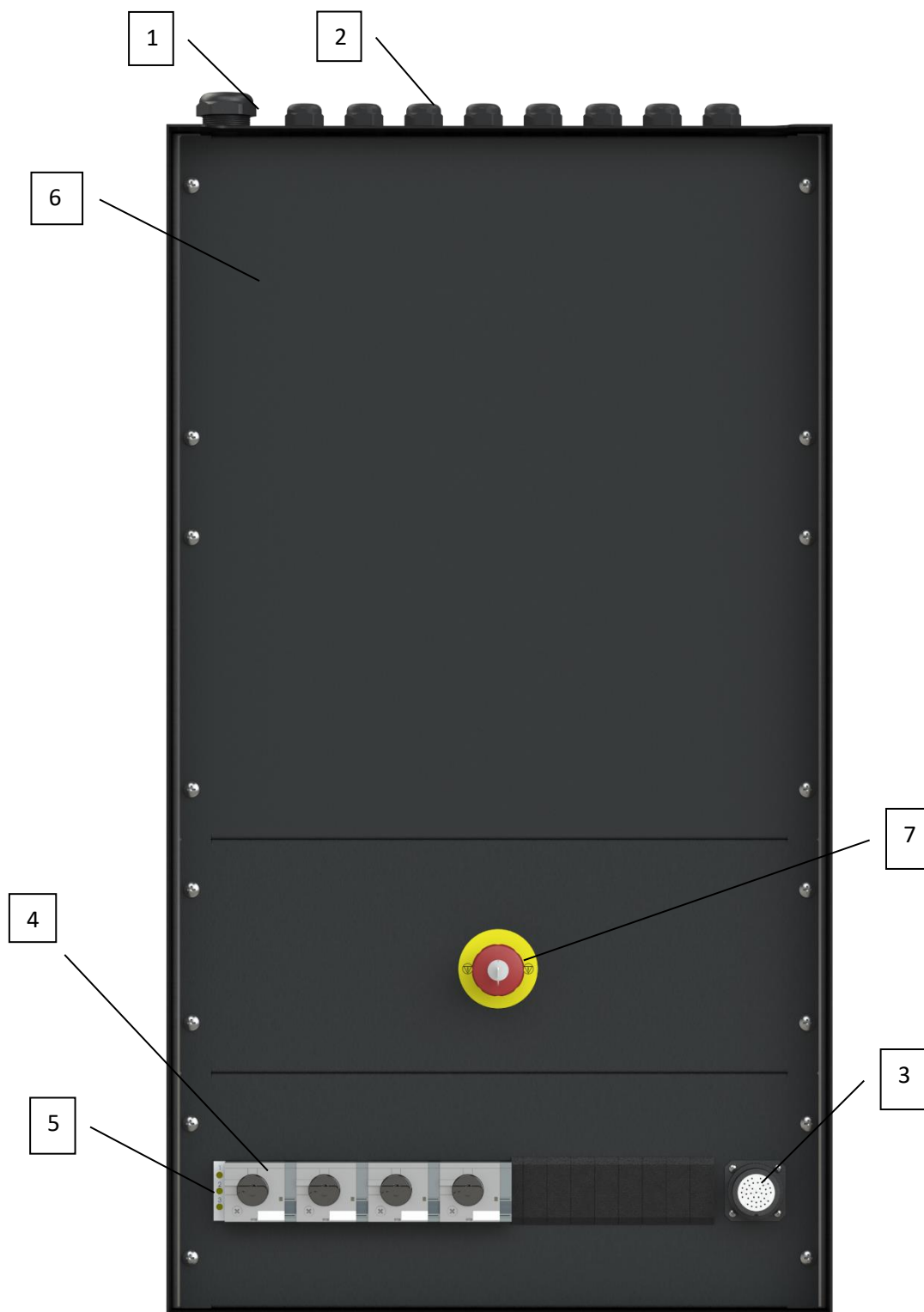
The UMC xx ADVW Wall mount controller is a direct control hoist controller with deported control switch. Direct control means that the hoists are not fed with power until the operator chooses to move the hoists. Low voltage control means that the hoists are always powered when connected, and the power relay to feed the electromotor in the hoists resides in the hoist itself: the control of this relay is done in the controller.

Connectors

The UMC xx ADVW can be equipped on demand with any connector you like. Standard models are: Harting multicore, Socapex multicore and CEE type single plugs. CEE form plugs are only possible on the direct control controllers, due to the available space on the back.

Front Panel Description

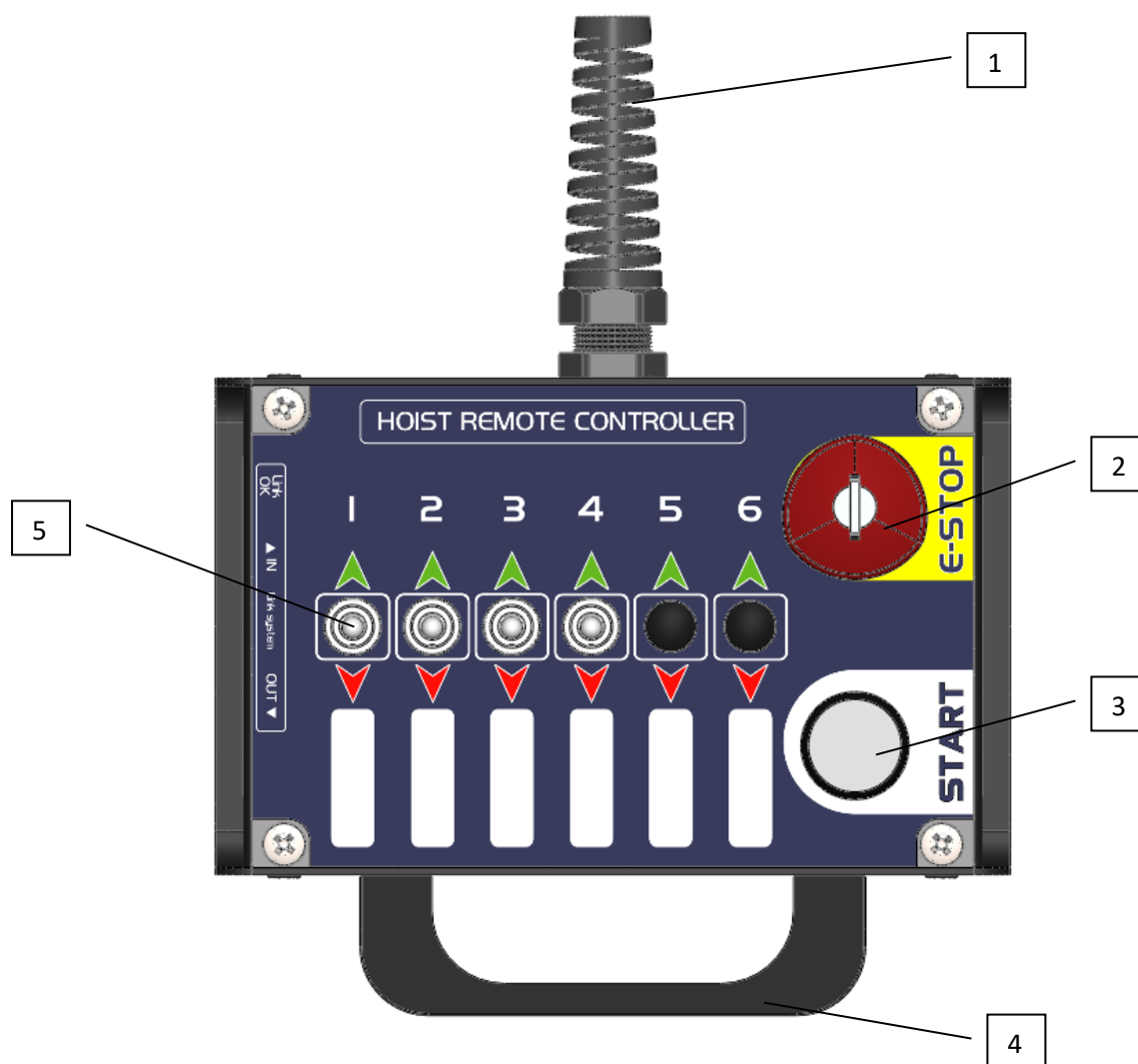
- 1 – Main input cable
- 2 – Individual glands to connect motor cable (4G1.5mm²).
- 3 – 19 or 37 pins Female connector type 319/337 SOCAPEX to connect the HANDSET.
- 4 – 2 Breakers for hoists. When a breaker is down, all Motors are STOPPED immediately.
- 5 – 3 Phases indicator. These 3 indicators are illuminated when the controller is connected to the power supply.
- 6 – Removable panel to access to the wiring terminal block.
- 7 – E-Stop button – Stop all hoist immediately.



Handset Description

- 1 – Output cable
- 2 – Emergency Stop push button with n°455 KEY
- 3 – White momentary button – Push this button to start the movement.
- 4 - Handle
- 5 – 4 individually switch to choose the hoist direction. DOWN (Red) – STOP – UP (Green)

UMD4



UMD12



Operation

The Motors/Hoists connected with a UMC04ADVW controller can be activated individually or simultaneously using the MOVE/START button switch located on the handset.

· Units can be linked together to create bigger systems. (Only with LINK option)

How to start

- Verify if all 3 green lights bulbs are illuminated. L1-L2-L3
- Connect the 19pins Socapex Connector type to the wall mount Controller.
- Turn the key located on the top of the E-Stop button to release the E-Stop Button and turn ON the controller
- Check that the emergency STOP mushroom is not engaged on any device connected (Handset, linked controller)

- Move lever corresponding to each motor, to the position required:

- o UP – (Green arrow) Lever in upper position
- o STOP/STAY – Lever in middle position
- o DOWN - (Red arrow) Lever in lower position

- Pushing the MOVE/START button will activate the motors to move simultaneously
- Releasing the MOVE/START button will stop the movement of the motors simultaneously.
- When is device not used is highly recommended to push the E-Stop mushroom and take with you the KEY.

To Move a Single Motor:

- Set the UP/DOWN toggle switch for that motor to the desired direction. The associated LED should light Green for UP, or Red for DOWN direction (bright only on remote equipped with light bulbs)
- Hold the MOVE/START button until the motor are moved the desired height, then release

To Move Several Motors:

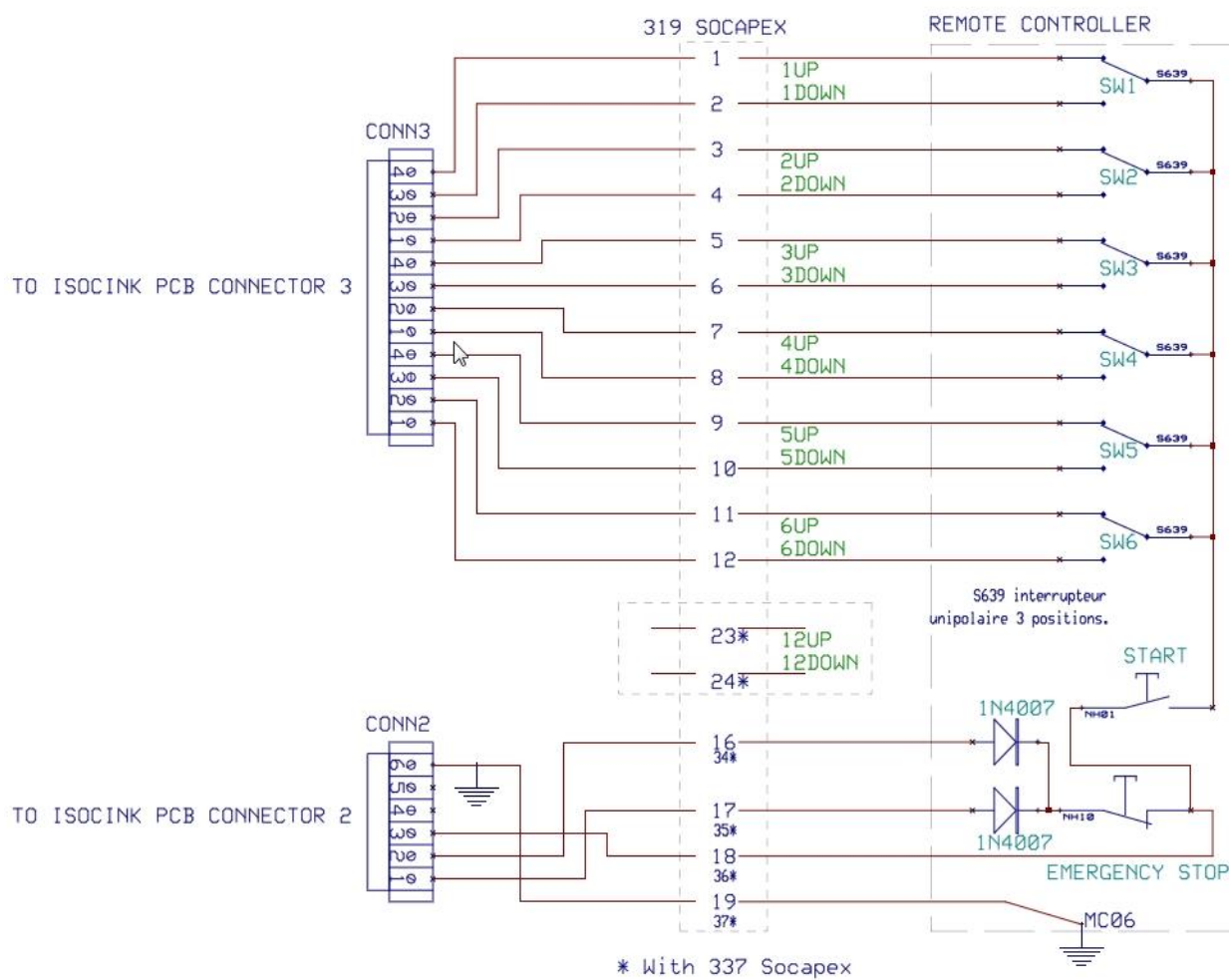
- Set the UP/DOWN toggle switches for each motor to the desired direction. Each associated LED should light Green for UP, or Red for DOWN. (bright only on remote equipped with light bulbs)
- Hold the press the MOVE/START button until the motors has moved the desired height, then release

EMERGENCY STOP:

This emergency stop is on base unit of each hoist controller and Handset. Emergency is in RED color + Yellow background with sign. This latching pushbutton turns the controller to inactive state. Once the EMERGENCY STOP button has been pressed, it locks into the active position.

Remote connector

Socapex 319 type



For your information:

Maximum number of hoist connected at full load example
with 32Amps 3x400Volts power supply.

Max current input 32 Amps
 400 Volts
 50 Hz

250Kg CM HOIST (PROSTAR)

1/4HP - 0,190kW - 3x400V 0,7Amps
16 Hoists

500Kg CM HOIST (LODESTAR)

1/2HP - 0,370kW - 3x400V -
1,3Amps
16 Hoists

1000Kg CM HOIST (LODESTAR)

1 HP - 0,740kW - 3x400V - 2,5Amps
12 Hoists

2000Kg CM HOIST (LODESTAR)

1 HP - 1,5kW - 3x380V-400V -
3,3Amps
9 Hoists

Specifications

Electrical specifications:

Supply voltage 3 phase, 400V 32Amps + NEUTRAL + EARTH/ 50Hz

Dimensions

Width: 500 mm

Height: 448.5 mm (10U) or 897mm (20U)

Depth: 192 mm (case)

Fixing type: Wall Mount

Fastening distance:

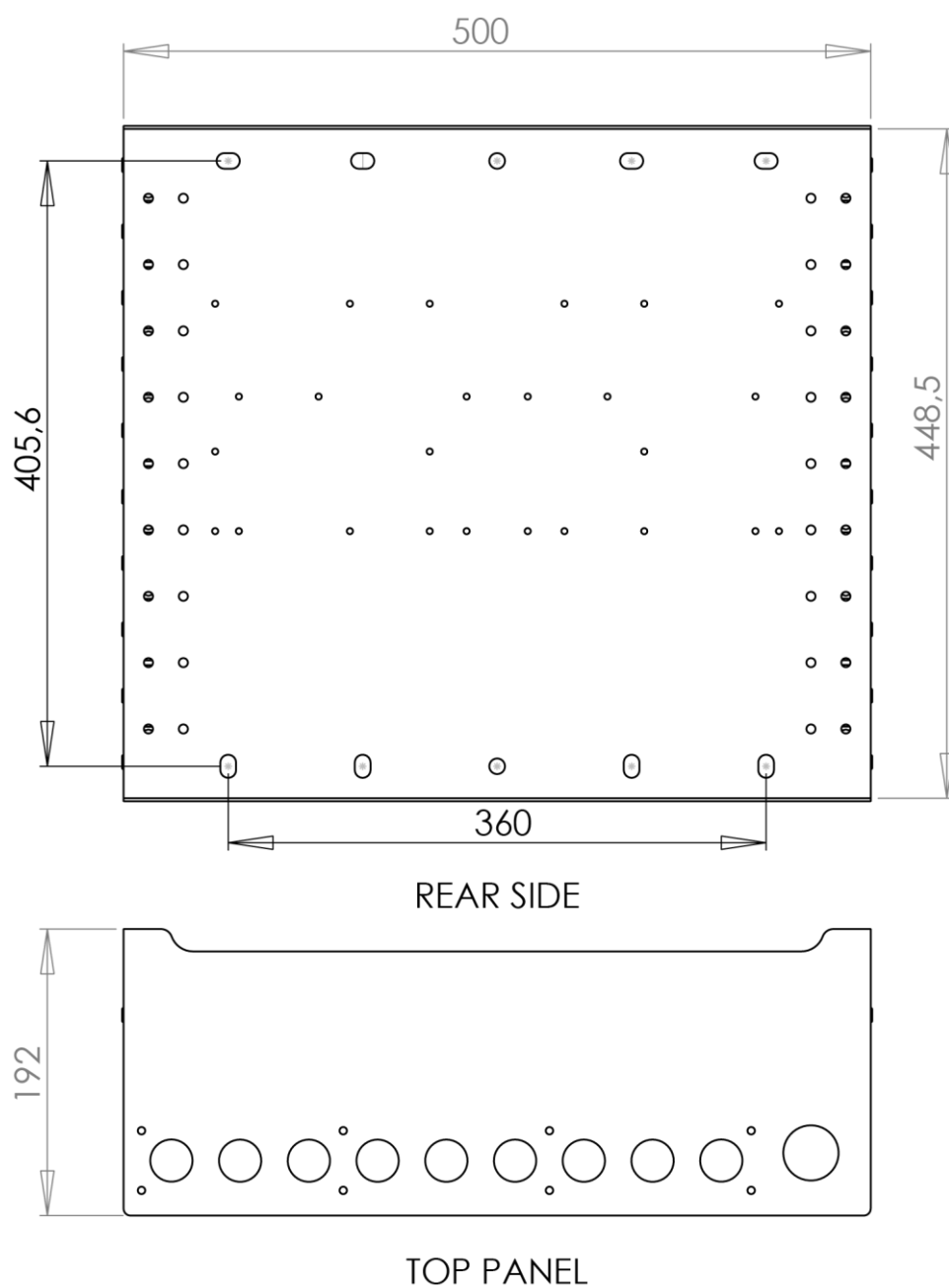
10U: 405,6mm(Height) x 360mm(Width)

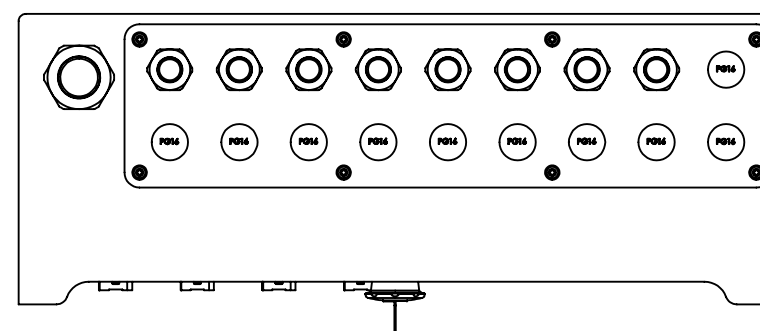
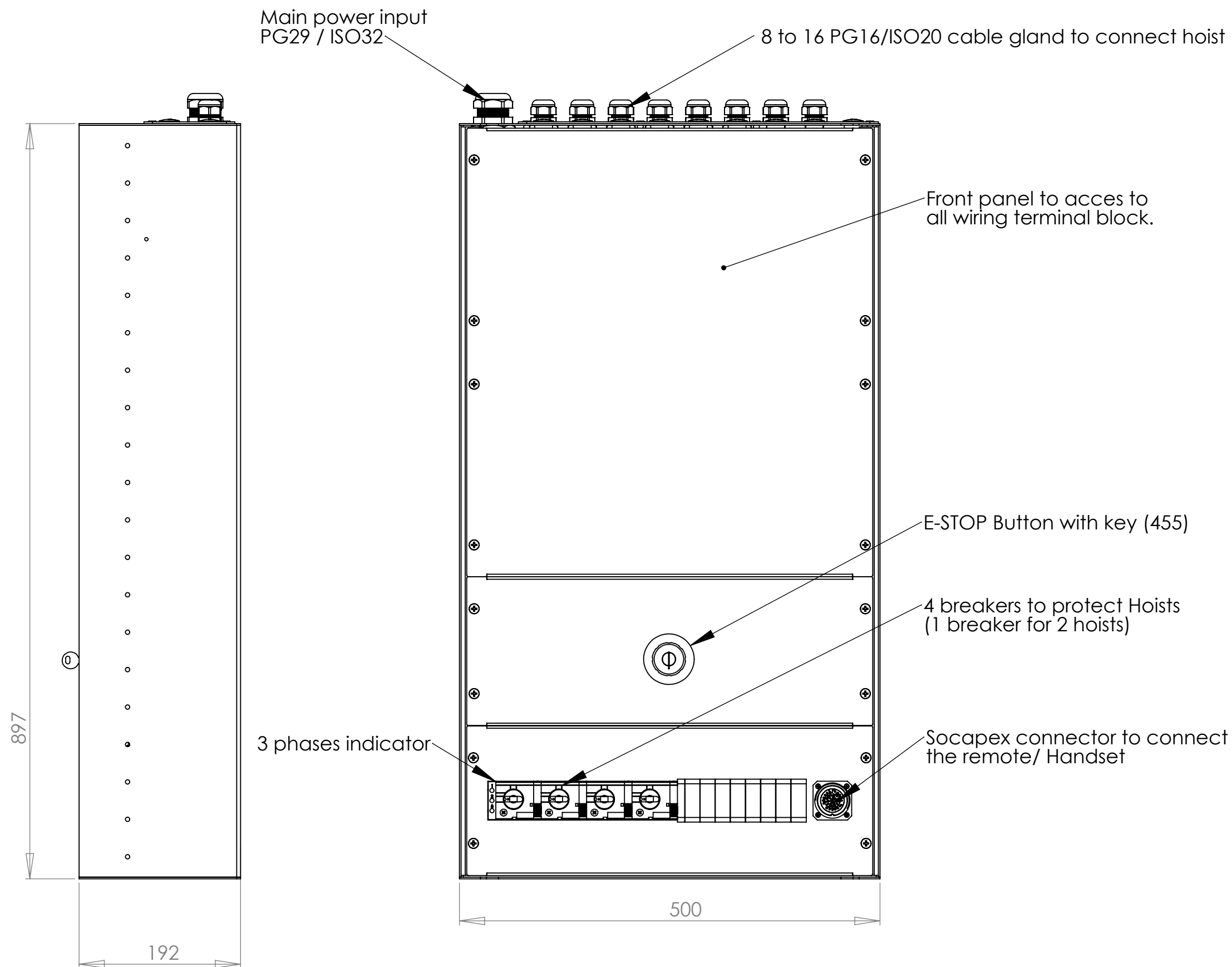
20U: 800mm(Height) x 360mm(Width)

Dimensions:

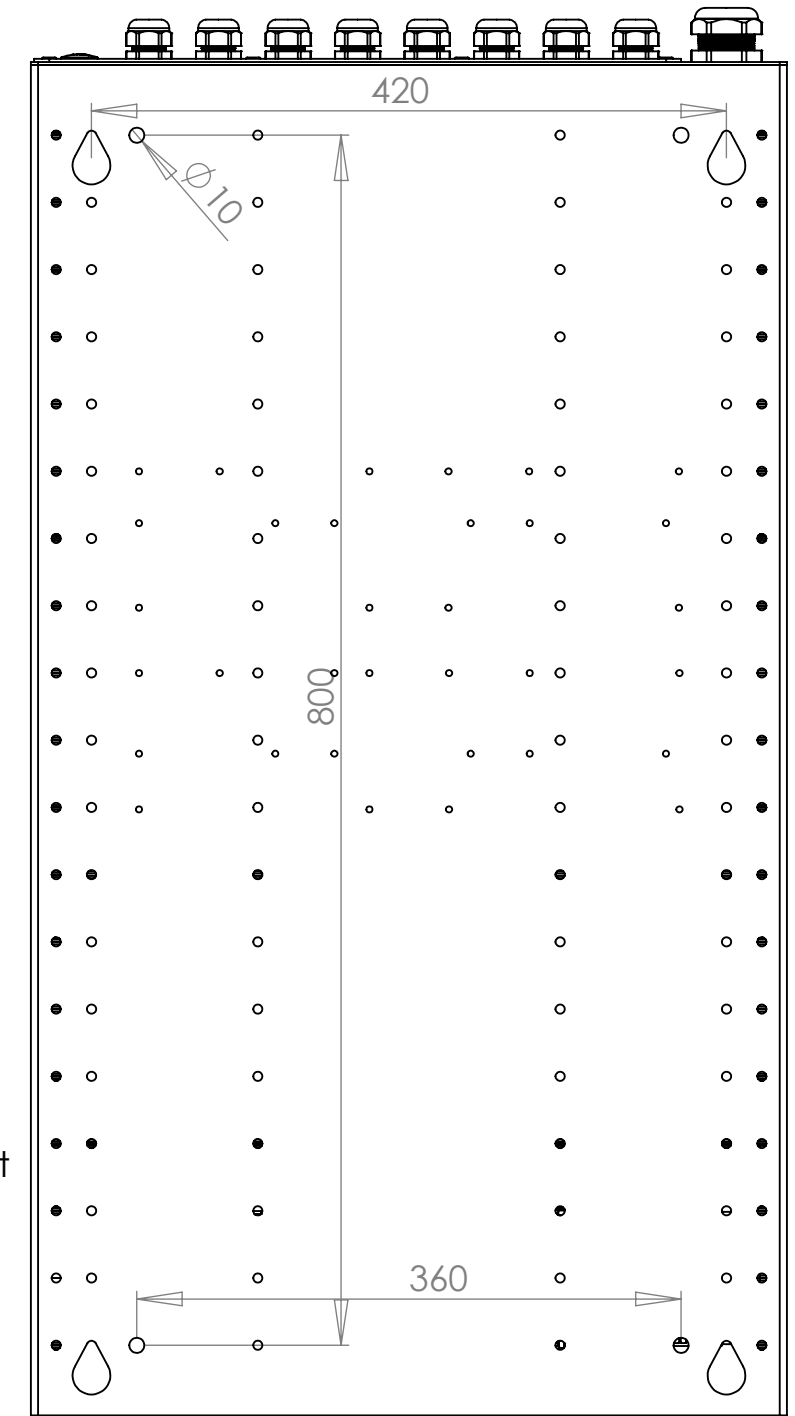
Enclosure size:

4 or 6 hoists





Top View

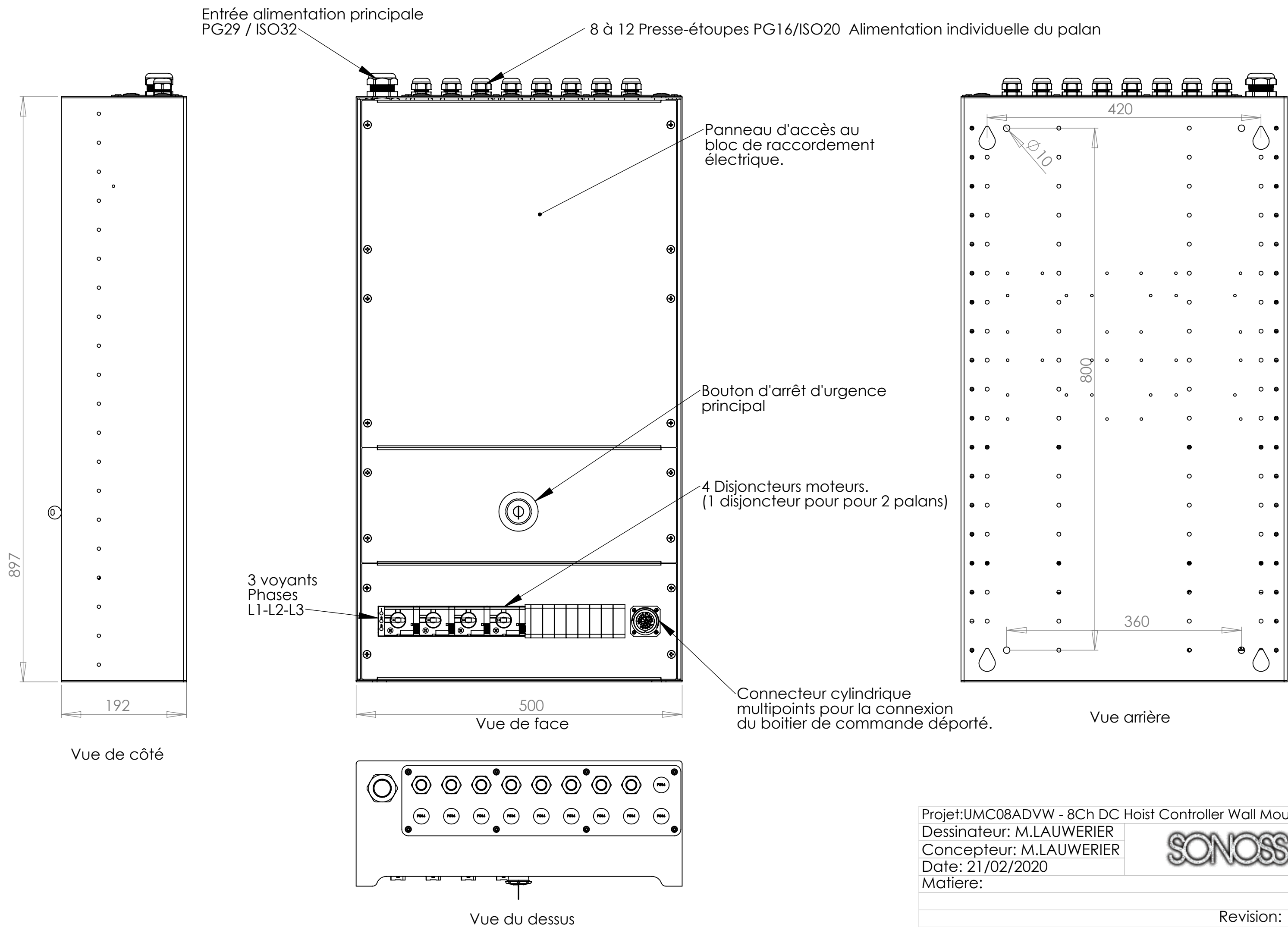


Rear View

Projet: UMC08ADVW - 8Ch DC Hoist Controller Wall Mount
 Dessinateur: M.LAUWERIER
 Concepteur: M.LAUWERIER
 Date: 21/02/2020
 Matiere:

SONOSS

Masse: Kg
 Revision:
 Echelle: 1:5

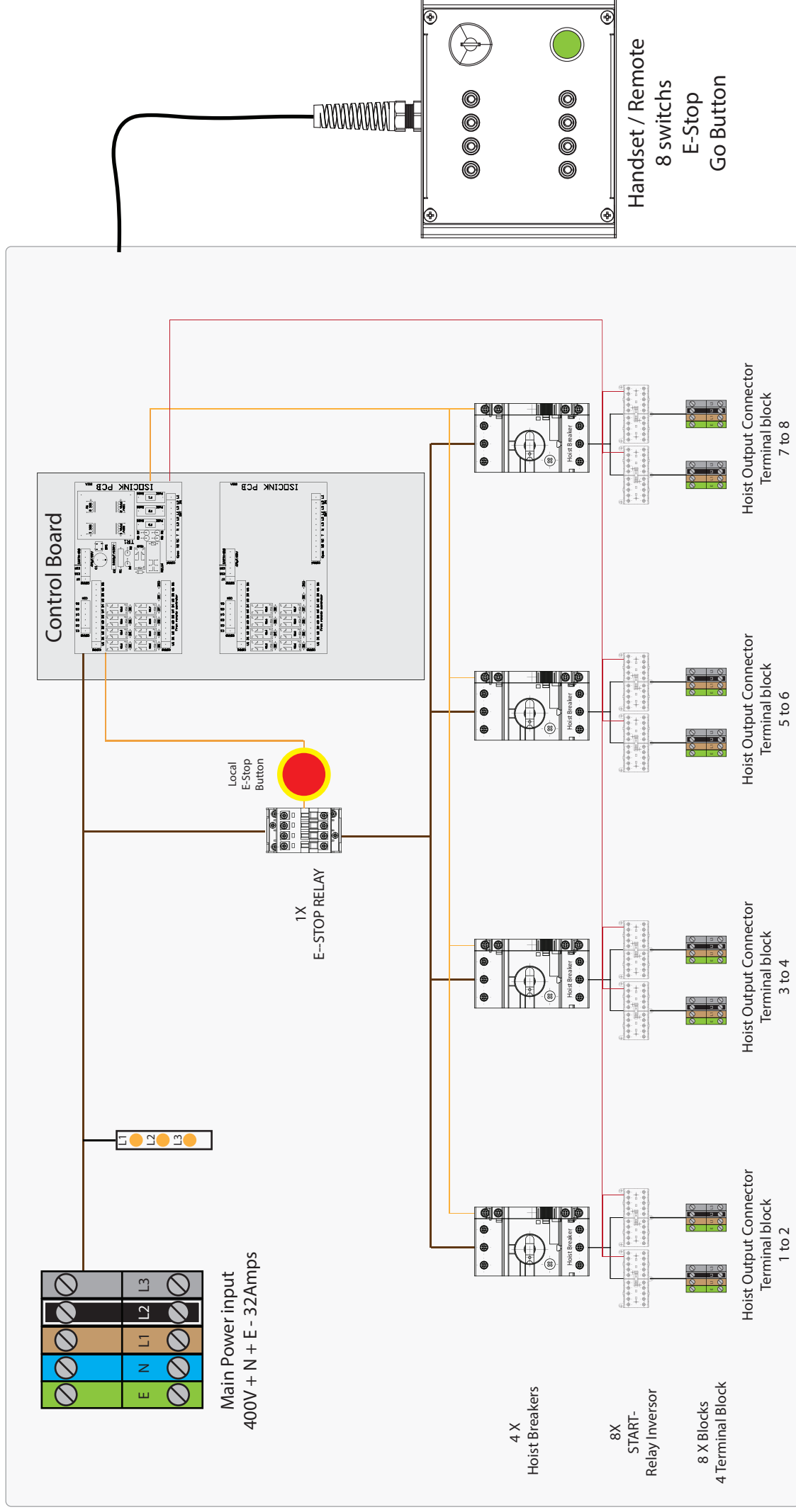


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Simplified Wiring Diagram

Project: UMC08ADWV

Description: 8 Channels DT Hoist Wall mount Controller with remote

Drawing by: Manuel LAUWERIER
Designed by: Manuel LAUWERIER
Date: 09 July 2014

Manufacturer:
 SONOSS
 Plateforme Multimodale
 10, Avenue de la Rotonde
 59160 LOMME - France
 info@sonoss.com
 www.sonoss.com

UMC08ADWV

Déclaration UE de conformité

EU DECLARATION OF CONFORMITY

La Société :
The Company : **SONOSS**

Adresse :
Address : Plateforme Multimodale, 10, Avenue de la Rotonde
59459 LOMME Cedex – France
Tel : +33 3 20 00 92 10 – Fax : +33 3 20 00 92 11
Email : info@sonoss.com

Déclare, sous sa propre responsabilité que le produit suivant :
Declare, under our sole responsibility that the product listed below

Description du produit
Product description:

TELECOMMANDE MOTEUR 4, 6, 8, 9, 10, 12 CANAUX
4, 6, 8, 9, 10, 12 CHANNELS HOIST CONTROLLER

Type : UMC04-06-08-09-10-12 ADVW

A été réalisé en conformité avec les directives européennes de normalisation appliquées au matériel de commande moteur professionnel. Toute modification du produit, dégage la responsabilité du constructeur.

Was realized in conformity with the European directives of standardization applied to the professional hardware of Hoist controller. Any modification of the product, releases the responsibility for the manufacturer.

Conforme aux directives Européenne suivantes : / Conforms to the following EEC Directives

2006/42/CE Directive machine / Machine directive 29.12.2009 (anciennement 98/37/CE)

(LVD) 2014/35/EU Directive Basse Tension / Low Voltage Directive (anciennement 2006/95/EEC)

(EMC) 2014/30/EU Contamination électromagnétique / Electromechanical Contamination Directive (depuis 2014)

Normes harmonisées / Harmonised standards :
HD 308 S2:2001 Code couleur des fil / wire color coding

Le circuit d'arrêt d'urgence est conforme aux normes:
The emergency stop circuit complies with:

EN 62061 : Sécurité des machines / Safety of machinery
EN 60947-5-1

EN 60204-1 Sécurité des machines – Equipement électrique des machines / Safety of machinery – Electrical equipment of machines

ISO 13849-1 – SIL (anciennement EN954)

ISO 13850 :2015 (Sécurité des machines -- Fonction d'arrêt d'urgence -- Principes de conception (EN418)

Catégorie 0 : arrêt par coupure immédiate de l'alimentation

Stop category 0 : Stopping by immediate removal of power to the machine actuators

Date : 21 Février 2020

Philippe COUDYSER - P.D.G

SONORISATION & ÉCLAIRAGE PROFESSIONNELS

Plateforme Multimodale - 10, Avenue de la Rotonde — 59160 LOMME
Tél. 03.2000.92.10 – Fax. 03.2000.92.11 – Email. technique@sonoss.com

S.A.S au capital de 300.000 € - SIRET 324.666.213.000 32 – APE 4643Z – TVA. FR20324666213