

Product Specifications: Portable Chain Hoist Control Systems, 12 Ch.

Functional Specifications

Motion Laboratories Portable 12 Channel 3Ø Chain Hoist Control Systems shall be designed to operate up to 12 serially manufactured electric chain hoists. The units shall be part of the 1200-12 series.

Features

- The unit shall have phase monitoring, where applicable.
- The unit shall have power indicators for all phases.
- The unit shall have high visibility yellow handheld remote station that features:
 - Quantity 12, 3-position directional switches.
 - Triangular UP/DOWN LED indicators.
 - Illuminated momentary GO switch.
 - Illuminated maintained KILL switch.
 - Two 4 foot integrated remote cables.
 - Protective Handles.
- The unit shall have IEC-rated phase reversing contactor assemblies.
- The unit shall have a Contactor Enable button to allow for local control at each hoist when using control pendants (pickles).
- The unit shall have PCB mount electro-mechanical control relays.
- The unit shall have Branch-rated Square D QOU-Series circuit breakers.
- The unit shall have a flexible form factor: 1 or 2 sided Motion Laboratories ATA Flight Case.
- The unit shall have a linear power supply.
- The unit shall have a modular panel design.
- The unit shall be compatible with any manufacturer's hoist.
- The unit shall be compatible with Motion Laboratories automation systems, load monitoring systems and safety systems.
- The unit shall be manufactured in the USA.



Physical Specifications

All modular panels shall have a 19 inch rack width. All panels shall be made of 1/8 inch thick 5052 aluminum with a 1 inch flange and a black anodized finish. The unit shall be built into a 1 or 2 lid NEMA 1 Steel Liner, made from 14 gauge 1020 steel, with a protective Zinc chromate finish or a black satin fine texture powder coat finish.

The unit shall be labeled with the following information, using diamond scratch etching, laser etching, and/or molecularly-bonded thermal ink:

- Motion Laboratories name/trademark.
- Electrical and environmental ratings.
- Power/Control wiring designation (Pinout).
- All necessary safety information.
- Optional customer logo.

Electrical Specifications

The unit shall be designed to operate within the current and voltage rating of the input connector.

The unit shall have variable input/output connectors, based on specific part number (see individual product sheet for details).

Environmental Specifications

The unit shall be NEMA 1 Rated, for indoor use only.

Ratings and Certifications

Motion Laboratories' Portable 12 Channel Chain Hoist Control System shall be a listed product as defined by the Occupational Safety and Hazard Association (OSHA). The unit shall have a **cETLus** mark and be designed and built to the following standards: UL1640, UL508A and C22.2 NO. 14 (Canadian Electric Code).