

Product Specifications: VFD Truss Mount Box

Functional Specifications

Motion Laboratories' VFD Truss Mount Box is part of the VFD System that shall be designed to operate modified CM chain hoists at variable speeds.

Features

- The unit shall have Twist Lock L15-20, In/Thru.
- The unit shall have Harting Han connector for hoist power/control cable.
- The unit shall have an 6-pin XLR input connector for the joystick input.
- The unit shall have a Harting Ethernet Push/Pull In/Thru for communications.
- The unit shall operate one modified CM chain hoist.
- The unit shall utilize a Schneider Altivar 71.
- The unit shall be truss mountable.
- The unit shall have a ratchet strap and dead hang point for safe mounting.
- The unit shall be addressable on the fly.
- The unit shall operate at 0 to 100 fpm based on hoist model being used.
- The unit shall have a joystick control that will enable the truss box and run the hoist at a variable speed based on what hoist is being used.
- The unit shall have features including:
 - Soft start and stop
 - Position Control
 - Zero speed hold



Physical Specifications

Each unit is equipped with a truss bracket and a retractable ratchet strap that will allow you to mount to your truss safely and securely. The unit will also have a dead hang clip. The units overall dimensions are approximately 19"H x 22.5"W x 7.25"D. The outer enclosure is Aluminum with a black satin fine texture powder coat finish.

The unit weight shall be approximately 40 lbs.

The unit shall be fully enclosed.

The unit shall have a fully grounded chassis.

The unit shall be comprised exclusively of UL Listed/UL Recognized components.

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.
- All necessary safety information.
- Optional customer logo.

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Electrical Specifications

The unit shall be designed to operate at 208V 3Ø.
The unit shall have L15-20 input/output connectors.

Environmental Specifications

NEMA 1 certified— indoor use only.

Ratings and Certifications

Motion Laboratories' VFD Controller utilizes UL and/or UR components and is built to the standards of the National Electric Code (NEC).