

Hydraulic Press Control

Replace your outdated or proprietary hydraulic press controls with modern, compact, and reliable PLC controls that deliver reduced operating costs and less downtime.

Overview

The 6556-MLHK Hydraulic Press Control Kit incorporates Rockwell Automation's industry leading 6556 redundant MicroLogix 1500 programmable logic controller architecture for control of the Main Hydraulic Ram on hydraulic presses. This product is designed to provide hydraulic press users, rebuilders, and OEMs a lower cost, modern control needed to help comply with ANSI B11.2 and CSA Z142 hydraulic Press Safety Standards, while remaining competitive, and reducing risk.

Package Description

The kit includes two Micrologix 1500 base units, I/O, relays, software and documentation designed to provide the necessary redundant, self testing and monitoring electronic control requirements that conforms to ANSI B11.2 and CSA Z142.

The 6556-MLHK comes with software pre-programmed by the factory and secured in Flash memory. The pre-programmed diagnostics and prompts can be viewed on any PanelView operator interface (optional). To help reduce design time, a user is not required to create any PLC programming in this kit. It can be ordered with a variety of networking options for connecting to other press controls.

Proven Value Over Other Control Solutions

The 6556-MLHK kit has superior capabilities, at a competitive cost, over relays and "black-box" type controllers.

- "Black Box" type controls offer limited hardware compatibility, expandability, or maintainability.
- Obsolete, relay-only controls are not able to meet the required standards.
- Safety relays may provide minimal safe redundant functionality, but without reliable diagnostics.
- While the 6556-MLHK kit provides built-in, expandable functionality and diagnostic capability beyond relays, safety relays have limited functionality and no diagnostics.



Flexible

Optional analog I/O control can easily be added to the MLHK kit to control the Main Ram with proportional valves and a linear position feedback device. Customers may order a custom-engineered solution including magnetics, operator interface, and/or special control requirements, mounted in a NEMA enclosure.

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Expandable

To add functionality such as Programmable Limit Switch Outputs, Die Monitoring, Tonnage, Lube, Production Monitoring, Quality and Data Acquisition, Feed Control and other Automation, a third processor can be programmed and tied into the 6556-MLHK, as needed.

Standard Features

- Mode Selection
 - Inch
 - Single Stroke
 - Continuous
- Pre-programmed diagnostics and Prompts
- Compatible with multiple hydraulic circuit configurations
- Inputs for two run-stations and provides two hand anti-tiedown control
- User automation interface inputs and outputs

AC Kit and Additional Solutions are Available

The 6556-MLHK is designed for use with a 120 VAC grounded power source. A PanelView™ or other operator interface can be ordered separately, along with either DeviceNet or DH 485 network interfaces. A custom-engineered solution is also available, which helps customers meet ANSI B11.2 and CAN/CSA Z142, while providing complete press control.

Catalog

- 6556-MLHK

Designed to the Following Standards

- ANSI B11.2
- CAN/CSA-Z142
- NFPA No.79
- IEC 61508 parts 1-7
- EN 954 et.al.

Installation and Use

Since both MicroLogix 1500 units come pre-programmed, the press control integrator simply needs to follow the instructions to mount and wire the control system and connect the devices to the appropriate I/O. Because of its low cost and simplicity of installation and operation, this package is especially suited for smaller presses with one or two run-stations and limit switches for main ram position.

For More Information

Contact the local Rockwell Automation sales representative or authorized Rockwell Automation distributor for a **PressPro** System Quotation Worksheet. Complete the worksheet and return it to the Rockwell Automation press control team using the telefax number or e-mail address listed on the worksheet. The worksheet will be used as the basis for a proposal for the configuration selected. Further information is also available on the Internet at

www.rockwellautomation.com/metalfforming

www.rockwellautomation.com

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