H6630EM CONTROLLER

The H6630EM Controller combines a simple, user-friendly operator interface with a powerful AC servo motor drive for a wide range of guiding applications. While in automatic mode, the closed loop control provides smooth and efficient electro-mechanical operations. When linked via industrial networks, the H6630EM Controller can communicate to other H6630EM Controllers, PLCs and SCADA systems. This level of communication permits users to collect data as well as provides both local and remote operational system control. Process set points and recipes can be downloaded from supervisory PLCs providing remote operation of multiple stations within the processing line. The H6630EM Controller offers quick set-up through user screens, with simple access to key parameters. Diagnostics alert operators to pending issues to help reduce downtime. Troubleshooting is facilitated through maintenance screens that prompt the user to the potential problems. The versatility of the H6630EM Controller eliminates the need for user programming, yet provides flexibility through configuration to provide status, control and communication both locally or with other controllers. The H6630EM Controller is available in several versions based upon the specific application.

SPECIFICATIONS

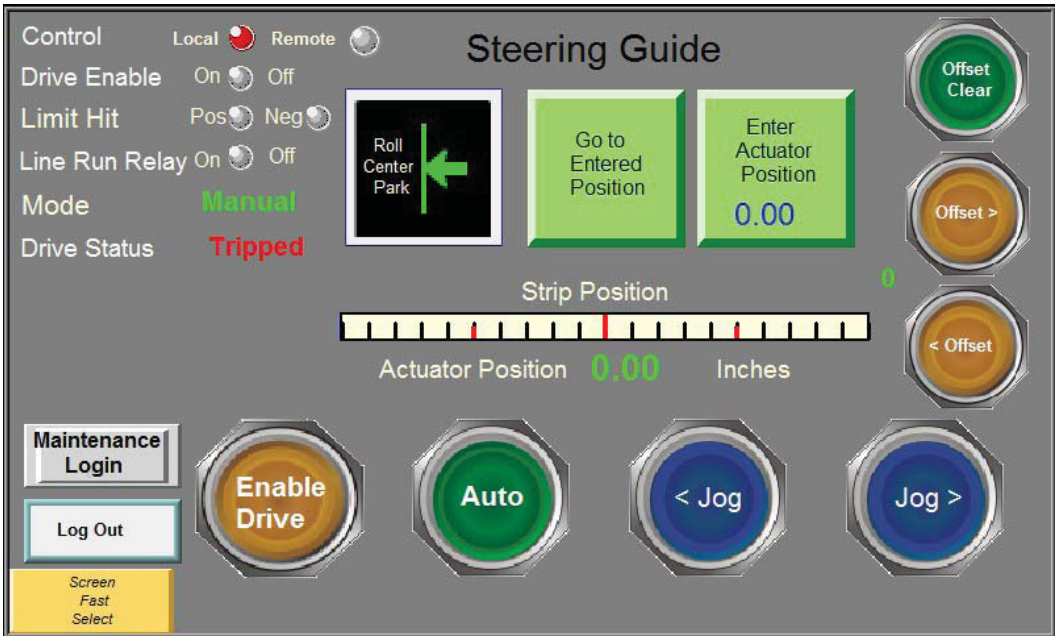
Power Requirements:
460 or 230 VAC, (+/- 10%) 3 ph,
48/65 Hz, 15 amp max.
Outputs:
5.9 amps continous, 17.7 amp peak
Sensor Power Supply:
24 VDC, 1 amp and +/- 15 VDC, +/- 667 mA
Digital and Analog I/O:
3 Analog Inputs
One (1) 12 bit, +/- 10 VDC
Two (2) 10 bit, +/- 10 VDC or 0-20 mA
2 Analog Outputs
Two (2) 10 bit, +/- 10 VDC or 0-20 mA
6 Digital Input/Outputs
Three (3) bi-directional (input/output)
Three (3) dedicated inputs
Digital I/O:
Input 0 to +24 VDC at 6K ohms.
Output 0 to +24 VDC and 200 mA
Dimensions:
24"W x 30"H x 12"D
(610 mm x 762 mm x 305 mm)
Weight:
110lb (50kg)
Protection Class:
NEMA 4, IP 54, UL and CE rated components meet Canadian ESA requirements
Protection Devices:
Fused disconnect, E-stop, Lock Out/Tag Out (LOTO) switch
Connections:
Finger safe screw terminal blocks
Operating Temperature Range:
32-122° F (0-50° C)
Industrial Network Options:
Ethernet/IP, Modbus TCP/IP, Profinet, Profibus, DeviceNet, CanOPEN, None

KEY FEATURES

- Multiple network communication protocols
- Graphic color touchscreen
- Programmable end of travel
- UL and CE rated components
- Fused disconnect (LOTO)
- Precise servo control
- Configurable offset control
- Absolute encoder for position accuracy
- IP 54 Protection Classification
- Thrust range: 500-6,500 lbs. (2.2-28.9 kN)

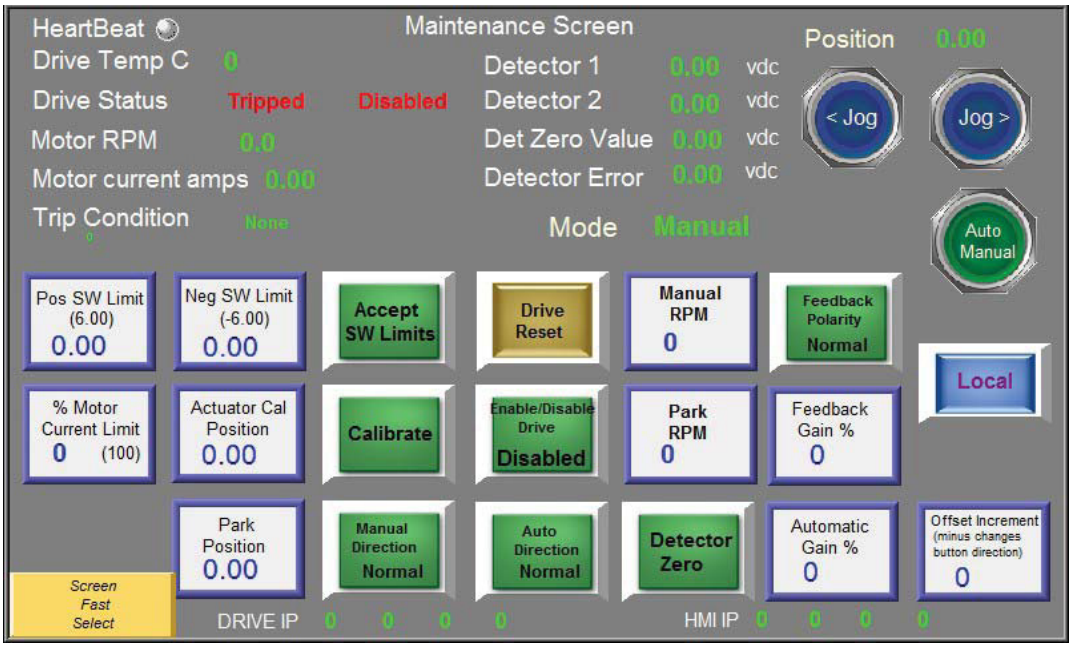
ADDITIONAL FEATURES

The H6630EM Controller has an operator interface that is a high resolution (800 x 480 pixel count) 7" color touchscreen display. It can control single and/or multiple AC servo motors. The controller has over-current protection which causes the drive to stop and generate an alarm to protect the motor and/or actuator. The H6630EM is compatible with all of Fife Corporation's sensors and H5535 Series AC servo motors and actuators. Customized control modes are available for unique applications and for customer requirements. Installation and start-up are straightforward.



STANDARD CONTROLS

- Auto/Manual
- Jog In/Jog Out
- Roll Center
- Gain Adjust
- Detector Calibration
- Local/Remote Operation
- E-Stop

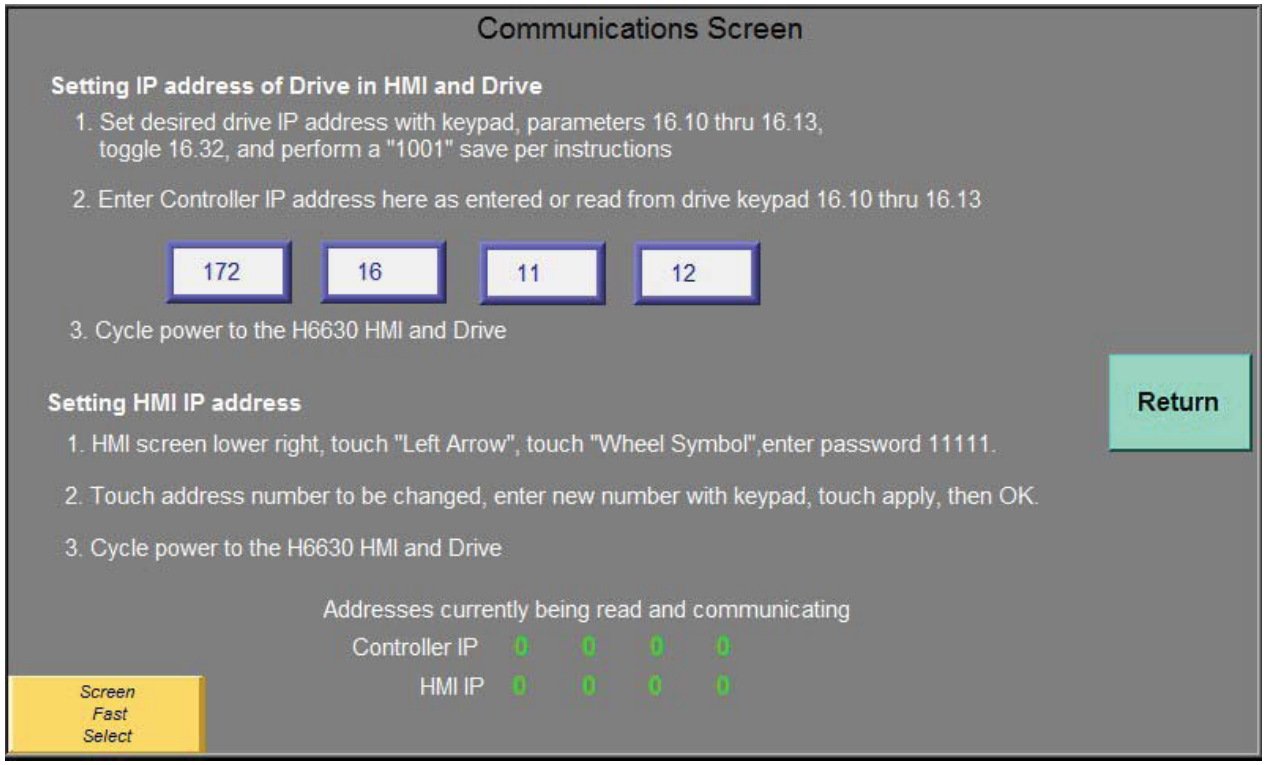


STANDARD STATUS UPDATES ALARMS AND FEATURES

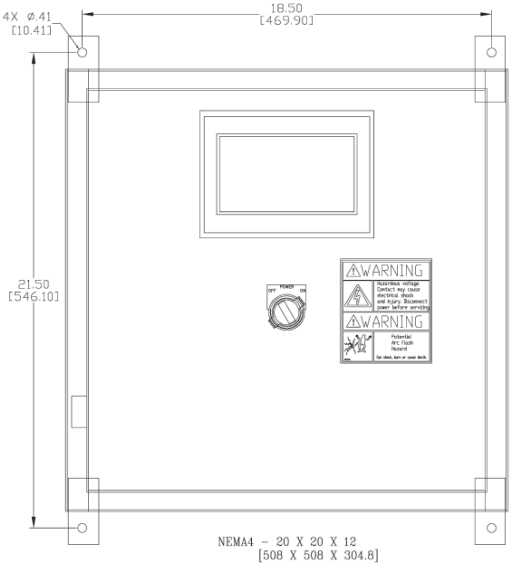
- Detector Status
- Line Speed Input
- Strip and Guide Position Display
- Over Travel Alarm
- Over Temperature Alarm
- System Healthy
- Safe Drive – separate control and power circuits

The H6630EM is configured to accept the typical inputs and outputs required for strip and web guiding solutions. Control schemes are provided for standard options. Configuration values can be changed through the operator interface (HMI), no additional software or programming device is required. The key status and control parameters are viewed through the HMI for troubleshooting purposes. There are three levels of password protections available; operator, maintenance and supervisory.

H6630EM CONTROLLER



Configuration and calibration are easily accomplished using the HMI. The H6630EM communicates with all common industrial networks and the controller program is provided on a USB device for user back-up and retention. It can communicate with any programmable logic controller that is based on the open international standard, IEC61131-3.



MAXCESS

NORTH, CENTRAL AND SOUTH AMERICA
Tel +1.405.755.1600
Fax +1.405.755.8425
sales@maxcessintl.com
www.maxcessintl.com

EUROPE, MIDDLE EAST AND AFRICA
Tel +49.6195.7002.0
Fax +49.6195.7002.933
sales@maxcess.eu
www.maxcess.eu

CHINA
Tel +86.756.881.9398
Fax +86.756.881.9393
info@maxcessintl.com.cn
www.maxcessintl.com.cn

INDIA
Tel +91.22.27602633
Fax +91.22.27602634
india@maxcessintl.com
www.maxcess.in

JAPAN
Tel +81.43.421.1622
Fax +81.43.421.2895
japan@maxcessintl.com
www.maxcess.jp

KOREA, TAIWAN AND SE ASIA
asia@maxcessintl.com
www.maxcessintl.asia