

SIMPLEX H6421 CONTROLLER



Fife's H6421 web guiding controller combines a convenient operator touch pad with a robust PWM motor drive in one compact package.

Combined with Simplex sensors and actuators, the H6421 provides precise web position control, be it edge guiding, centerguiding, or line following.

Automatic self diagnostics display fault messages to indicate any parameter that is not within boundaries. A status output, which indicates normal

controller operation, can be connected to a supervisory system for continuous monitoring. The H6421's compact size allows flexibility in mounting. It can be flush mounted and placed at the operator's convenience, or it can be mounted directly to the guide structure, providing a fully integrated guiding unit. The H6421 also features IP55 protection classification for dust and water resistance.



SPECIFICATIONS

Model Numbers:

H6421-AMP-00SM (Surface Mount Version)

H6421-AMP-00FM (Flush Mount Version)

Input Power:

24 V dc $\pm 5\%$ at 2.5 amps

Actuator Power Output:

50 watts continuous PWM

Status Indicator Output:

24 V dc at 50 mA maximum

Display Character Size:

3/16" (4.7 mm)

Compatible Cables:

H6420-PWR-15 Power input cable, 15' (4.6 m)

H6420-RCC-15 External Servo Center/Inhibit cable, 15' (4.6 m)

Allowable Ambient Temperature:

0–50 C (32–122 F)

Power output to Detectors:

15 V dc at 150 mA

Size:

39/32" (83mm) H $\times$ 329/32" (99mm)

W $\times$ 47/32" (107mm) D

(surface mount version)

Weight:

2.75 lb. (1.25 kg)

Keypad:

Tactile feedback membrane

Mounting:

Surface or Flush

KEY FEATURES

- Controller and display combined in one compact unit
- Flush or surface mount
- Quick set-up, simple operation
- IP 55 rated water and dust resistant housing
- All plug-in connections
- International keypad/display symbols
- Operates on 24 V dc
- Self diagnostics
- Status output for continuous monitoring of system operation
- CE compliant

H6421-AMP

FEATURES

24 V dc logic inputs for inhibit and servo center

- Operator can adjust guide point using locally or remotely mounted handheld device
- Displays a code to identify system self-diagnostics
- Detector Inputs--Proper range, shorted or open
- Actuator--Open or shorted connection, stall condition
- Power Supplies--Monitors both internal supplies and external supplies to detectors
- A 24 V dc status output indicates normal controller operation

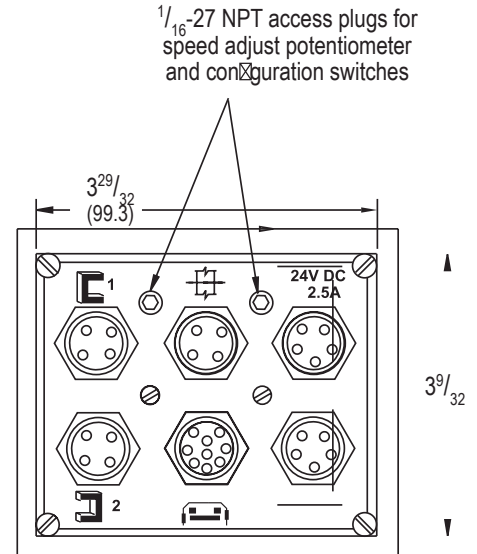
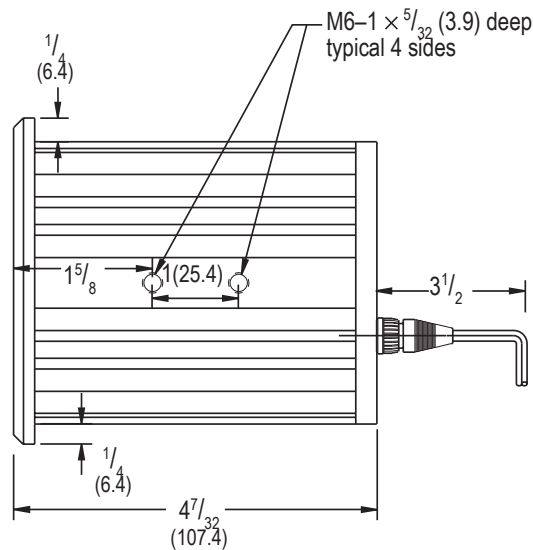
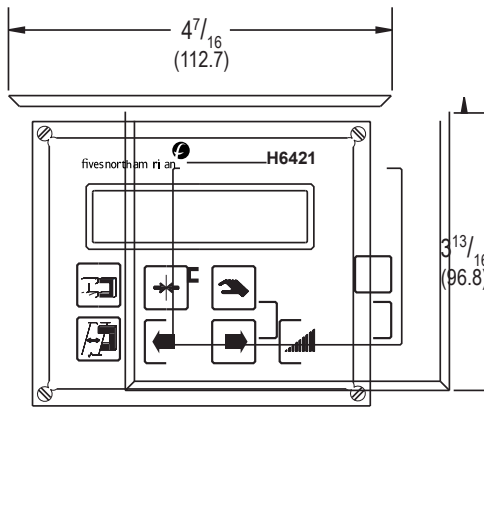
- International symbols on keypad and display
- Operator Adjustments:
 - Automatic
 - Servo Center
 - Manual jog
 - Detector Select--Detector 1, Detector 2, Centerguide
 - Web Setup (Calibrate detector on Web)
 - Gain Adjust
- Display symbols indicate mode of operation

COMPATIBLE ACTUATORS

Model	Thrust	Cables	Servo Center Detector
H5530 C	60 lb (267 N) 7	' (2.1 m)- H6415-5530C-07 15' (4.6 m)- H6415-5530C-15	EWX-/19
H5530 D	150 lb (667 N) 7	' (2.1 m)- H6415-5530D-07 15' (4.6 m)- H6415-5530D-15	H3184D-001-CON
H5530 F1	150 lb (667 N) 7	' (2.1 m)- H6415-5530F-07 H 15' (4.6 m)- H6415-5530F-15	3184F
H5530 F3	300 lb (1.34 kN)	7' (2.1 m)- H6415-5530F-07 H 15' (4.6 m)- H6415-5530F-15	3184F

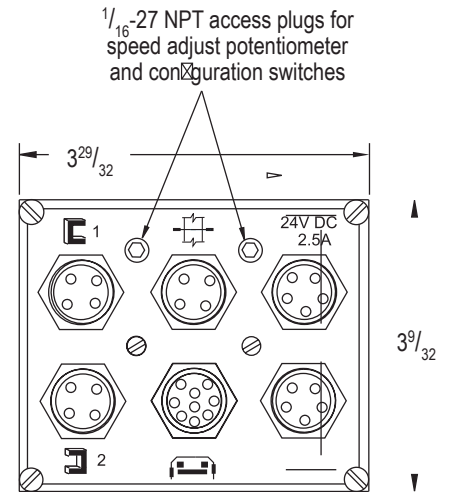
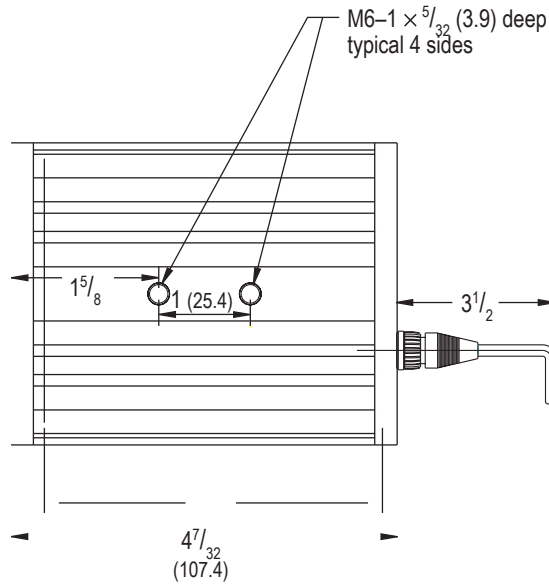
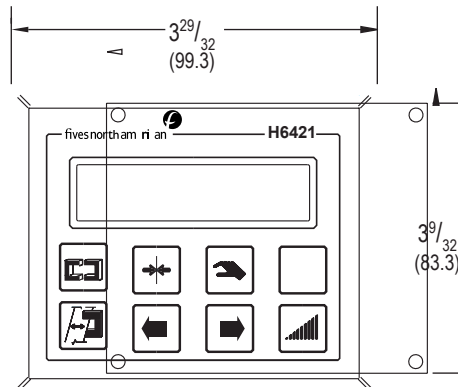
DIMENSIONS

FLUSH MOUNT



Weight: 2.5 lb (1.1 kg)

SURFACE MOUNT



Weight: 2.5 lb (1.1 kg)



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