

H6600 Series Electronic Controllers



- **Microprocessor-based**
- **Simplified, menu-driven setup**
- **Adaptable inputs accept wide range of transducers**
- **Alarm output for system faults**
- **Remote offset capability**
- **Bar graph meter indicates position of material in detector or amplifier output voltage.**

The microprocessor-based H6600 series of electronic controllers provides all functions necessary to accommodate a wide range of guiding applications, while maintaining a simple, menu-driven, set-up. It accepts all of Fives North American's detectors: edge guide, center-guide, ultrasonic and roll center, plus most off-the-shelf transducers. The controller will directly drive an electro-hydraulic servo valve or the input of a power amplifier for electro-mechanical applications.

The H6600's microprocessor simplifies setup by configuring the detector inputs based on menu selections from the front panel. No additional equipment or expertise is required. System gain and zero are also straight-forward front panel adjustments. Gain may be adjusted at any time, either in AUTO or MANUAL. Setting system ZERO (initial guidepoint) is done by simply placing the strip at the desired guide position and pressing the ZERO key. (Note: This function is inhibited while the system is in AUTO.) To avoid tampering, the keyboard may be "locked-out"; a special keystroke sequence re-enables it.

The H6600 is available in several versions, offering automatic detector self-seek and stagger-wind capabilities for recoiling applications.

ADDITIONAL FEATURES

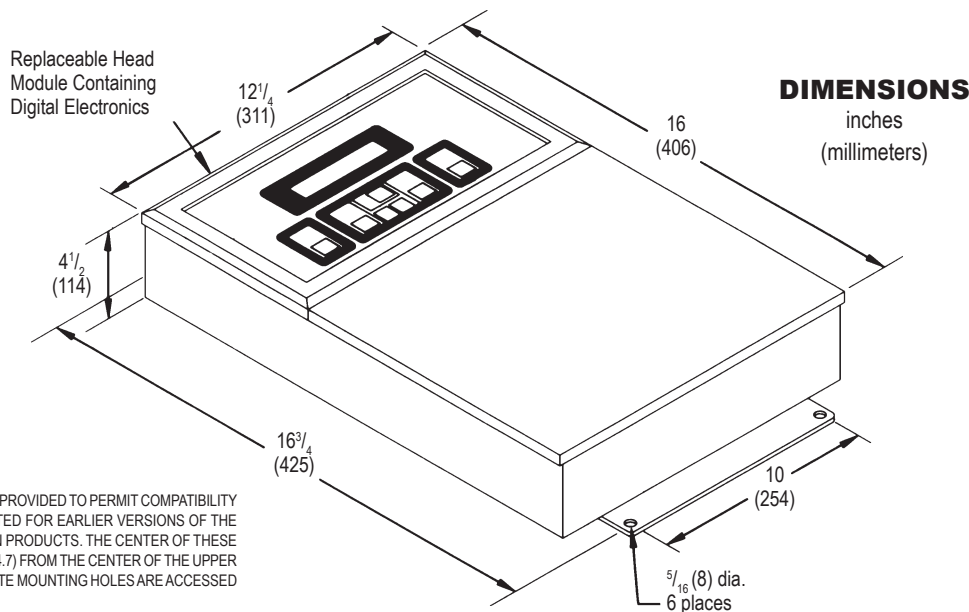
Along with two detector inputs, connections are provided for a remote offset signal plus a roll position feedback transducer. Offset is accomplished through either a conventional analog potentiometer type (H6220B), or using the unique, digital based, cascadeable station (H6229).

Remote control is accomplished through 120 V ac inputs for MANUAL/AUTOMATIC, JOG IN, JOG OUT, ROLL CENTER and ENABLE. An AC output is available to inhibit a solenoid operated hydraulic valve as required.

Separate normally open relay contacts are provided to indicate a system fault condition. A fault condition is either the loss of power, or inability of the system to gain control within 5 seconds.

The H6600 may be optionally equipped to provide an edge seeking feature for automatic detector positioning. A staggerwind option is also available.

The 40-character backlit display provides operator feedback while configuring the unit plus system status during normal operations.



NOTE: ALTERNATE MOUNTING HOLES ARE PROVIDED TO PERMIT COMPATIBILITY WITH MOUNTING ARRANGEMENTS CREATED FOR EARLIER VERSIONS OF THE H6600 AND FOR OTHER NORTH AMERICAN PRODUCTS. THE CENTER OF THESE MOUNTING HOLES ARE LOCATED 14 7/8" (374.7) FROM THE CENTER OF THE UPPER FLANGE MOUNTING HOLES. THE ALTERNATE MOUNTING HOLES ARE ACCESSED THROUGH THE FRONT COVER.

DIMENSIONS SHOWN ARE SUBJECT TO CHANGE. PLEASE OBTAIN CERTIFIED PRINTS FROM FIVES NORTH AMERICAN COMBUSTION, INC. IF SPACE LIMITATIONS OR OTHER CONSIDERATIONS MAKE EXACT DIMENSION(S) CRITICAL.

SPECIFICATIONS

Models: (Add "/2" as a suffix to designate for 220 V ac operation)

- H6600-BFR-01** Standard model
- H6600-BFR-02** Man/Auto switch and In-Out spring center switch on cover
- H6600-BFR-03** Same as-02 with added offset pot on cover
- H6600-BFR-04** Man/Auto/Servo center switch and In-Out spring center switch on cover
- H6600-BFR-05** Same as-04 with offset pot on the cover
- H6600-SS-01** Self-seek motor drive output
- H6600-SW-01** Staggerwind control
- H6600-SSSW-01** Self-seek motor drive with staggerwind

Power Requirements: 102-132 or 204-264 V ac 50-60 Hz (5A max.)

Outputs: Linear Motor Drive (± 125 mA)
Remote Meter Drive (± 10 V dc)
"C" Solenoid Drive, NO and NC contacts (264 V ac, 5A max.)
Alarm Relay, NO contacts (264 V ac, 2A max.)

Inputs: Two independent detector inputs (up to ± 15 V dc)
Roll Center/Position feedback (± 15 V dc)
Remote Strip Offset Potentiometer (± 15 V dc and ± 5 V dc)

Operating Temperature Range: 32-122 F (0-50 C)

AC Inputs: Enable
Auto/Manual
Manual Jog IN
Manual Jog OUT
Roll Center

Battery-backed memory: Life expectancy: more than 11 years.

Options: Staggerwind option will accept an encoder input and stagger the guidepoint at user-selected rates and amplitudes.
Self-seek option will provide AUTOMATIC or MANUAL detector positioning via additional AC inputs.

Dimensions: 12 1/4"W \times 16"H \times 4 1/2"D (311 mm \times 406 mm \times 114 mm)

Weight: 17 lb (8 kg)

Fives North American Combustion, Inc. Guiding Systems

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