



May 30, 2013

Dear Valued Customers:

Akron Brass is proud to announce that the new Universal II Monitor Control System will be available for order on the following Akron Brass electric monitors that currently use the Universal I Logic Box:

- **3463 FireFox Monitor (500 gpm)**
- **3440 Deckmaster Monitor (1250 gpm)**
- **3578 StreamMaster Monitor (2000 gpm)**
- **3598 StreamMaster Monitor XT (2000 gpm)**
- **3580 Renegade Monitor (5000 gpm)**

All orders received between July 1, 2013 and September 30, 2013 will be shipped with the Universal II Control System unless otherwise specified. After September 30, 2013, the Universal II becomes the default control system and the Universal I components will be available for repair/replacement parts only.

The Universal II brings with it enhanced networking with both CAN and V-MUX® capabilities, robust proportional speed motor control, and advanced features including automatic obstacle avoidance. New CAN based control components including joysticks, toggle switch stations, and wireless interface have also been developed. Additionally modular, connector based wire harnesses are available to reduce installation time.

A complete software based diagnostic tool (AkroView) is available which gives a visual display of all control system components and functions for quick, accurate troubleshooting. Order forms are available on our website to aid in configuring Universal II based monitor system components for each of the monitors listed above. Each monitor system is fully tested before it ships from our Wooster, OH facility.

The Universal I Logic Box System has been an industry standard for over 10 years. However, improved component technologies have emerged and the Universal II Monitor Control System will continue to lead the industry with outstanding performance and capabilities.

We appreciate our partnership and are committed to your success. Please feel free to contact your local Akron Brass representative if you have any questions, comments or suggestions.

Regards,

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5/30/13

PRODUCT UPDATE

PRODUCT NAME: Universal II Logic Box

AKRON PART NUMBER: Style 6032

PRODUCT DESCRIPTION

The Universal II Logic Box is the nucleus of the next generation of electric monitor control systems from Akron Brass. The Universal II is an intelligent embedded controller compatible with J1939 CAN, CAN Open, and V-MUX® multiplexing systems. *Starting July 1, 2013, this will be the default control system for new electric monitor orders.*



FEATURES

- Simple, 2 connector installation
- Onboard diagnostics
- Obstacle avoidance (when paired with position feedback equipped monitors)
- Proportional speed control
- Field upgradeable
- IP67 rated enclosure
- Compatible with J1939 CAN, CAN Open, and VMUX® multiplexing systems

LIST PRICE (US Dollars, FOB Wooster, OH USA)

6032 Universal II Logic Box	\$1,838.00
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AVAILABILITY

Currently available upon request. Starting July 1, 2013, it will be the default control system on new electric monitor orders for the following styles: 3578 StreamMaster, 3440 DeckMaster, 3463 FireFox, and 3580 Renegade.

SPECIFICATION

The monitor control system shall be housed in an IP67 enclosure 8.66" (220mm) L x 4.72" (120mm)W x 3.19" (81mm)D. The monitor control system shall use Deutsch HD series multi-pin connectors, one 14 pin for connection to the monitor and one 29 pin for connection to the vehicle system. There shall be one sealed USB port connector provided for field updates. There shall be one pressure equalization vent port that will allow the interior pressure to match the exterior environmental pressure without allowing moisture inside the enclosure. All connectors and ports shall be on the same side of the control enclosure. The monitor control system shall be compatible with 12 or 24Vdc vehicle power systems and provide control outputs for up to five motors and inputs for up to three position sensors. The monitor control system shall be compatible with J1939 CAN, CAN Open, and VMUX communications protocols.