

FLEX PRO™

Wireless Controls

FLEXIBLE PROPORTIONAL CONTROL IN A HANDHELD!



Our ergonomically styled Flex Pro series incorporates the latest in proportional control technology in a lightweight, comfortably contoured, yet durable case. It's available with several options to meet the needs of a variety of applications and industries.

COMFORT AND STYLE IN ONE PACKAGE

- Ergonomically designed contoured case with available rubber jacket makes it comfortable for the user
- Designed to be compact and lightweight to prevent operator fatigue



Protective rubber jackets and cases are available.

VERSATILE YET PRECISE OPERATIONS

- Choose 8 or 12 proportional button configurations with precise control for smooth operation
- Adjustable speed control – four mode settings (25%, 50%, 75% and 100% output) provide precise control of machine movement
- Buttons can be configured as proportional, on/off, or a combination of both and include a variety of standard labels
- Revolutionary I-CHIP module makes this a universal transmitter that can be programmed in the field

FLEXIBLE AND ADAPTABLE TO YOUR SPECIFIC REQUIREMENTS

- Rugged, tough nylon housing is made to withstand shock; protective cases and accessories available for harsh environments
- Rated NEMA 4 (IP66), sealed to withstand harsh, industrial environments
- Informative LEDs provide diagnostic and system status
- Designed to minimize power consumption, providing one of the longest life batteries in the industry today – rechargeable NiMH battery pack available
- Custom engraving and custom labeling available



PERFECT FOR USE IN A VARIETY OF APPLICATIONS

The Flex Pro can be customized to meet almost any application. Magnetek provides innovative, cost-effective, custom-engineered wireless communication products, complete with hydraulic interface controls. These are designed to your specifications, reducing internal engineering and manufacturing costs, improving time to market, and enhancing equipment performance. We offer complete plug-and-play hydraulic control packages designed specifically for your machine, manufactured and tested on our panel assembly line.

Packaged system options include:

- I/O modules supporting various types of machine sensors and valves
- Graphic display modules
- Custom programming as the application requires
- NEMA 4, stainless steel, and explosion proof enclosures
- Pre-wired cables with valve connectors of choice



COMPATIBLE WITH SEVERAL RECEIVERS



CAN-6 Receiver shown

RECEIVER FEATURES AND OPTIONS

- CAN-BUS, compatible with most driver modules
- Comes standard with 'AA' batteries and available rechargeable battery
- Stepless 0-10V, 3-6-9V interfaces available
- NEMA 4 standard, optional NEMA 4X or explosion proof enclosure available
- Synthesized RF technology available for Unlicensed (FCC Part 15) 400MHz — dial in any of the 32 (400MHz) frequencies



For more information, contact Magnetek at 800.288.8178 or your local Magnetek Sales Representative.



N49 W13650 Campbell Drive
Menomonee Falls, WI 53051
Toll-Free Phone 800.288.8178
Toll-Free Fax 800.298.3503
Phone 262.783.3500
Fax 262.783.3510

ENRANGE FACILITY
#5 Four Coins Drive
Canonsburg, PA 15317-1751
Phone 800.288.8178
Fax 724.746.3379

CANADA FACILITY
4090B Sladeview Crescent
Mississauga, Ontario
L5L 5Y5 CANADA
Phone 800.792.7253
Fax 905.828.5707

WWW.MAGNETEKMH.COM

Pub No. Flex_ProMOB10
© Magnetek, Inc. 2010

ENRANGE™ MHR

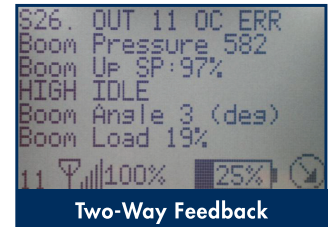
Radio Controller

Magnetek's patented Enrange MHR Radio Controller combines the components of a radio receiver and hydraulic controller into a convenient single unit, reducing costs and freeing up valuable space. When packaged with one of our transmitters, it provides a total radio control system for operating mobile equipment including boom trucks, truck mounted cranes, derrick diggers, concrete pumpers, trenchers, and much more.



CUTTING-EDGE DESIGN

- Informative graphic display for viewing system settings & machine functions
- User interface features fully sealed pushbuttons for menu navigation and modifying system settings in the field
- Two-way feedback provides the operator with precise information about equipment performance
- Internal and external antenna options available
- Optional Radio Control Programmer (RCP) puts the ability to program machine specific system configurations at your fingertips while reducing cost and equipment downtime, and allows you to easily program settings directly from your Windows PC



Two-Way Feedback

ADVANCED I/O FEATURES

- Numerous I/O for driving hydraulic valves and other machine functions
- Up to six inputs that can be configured as analog or digital
- Up to 16 I/O pins that can be configured as current compensated closed loop PWM outputs, open loop PWM outputs, on/off digital outputs, digital inputs, or frequency inputs

SOPHISTICATED COMMUNICATION CAPABILITIES

- Available 2.4GHz FHSS two-way RF provides data feedback, with up to 125mW (2000+ ft) of RF power for long range applications
- 2 CAN-buses for communicating with other devices and supporting a variety of CAN-bus communication protocols including J1939 and Parker ICP
- Internal and external antenna options available

RELIABLE OPERATIONS

- Rugged design meets government and industry standards for extremely high and low temperatures, water resistance, excessive vibration and shock, and electromagnetic interference, making it ideal for outdoor use and harsh environments
- Dual microprocessors monitor RF messages and safety outputs
- Compact enclosure mounts in a 6" x 6" x 2" area
- Industry familiar connector system secured with integral fasteners and shock, and electromagnetic interference



USER-FRIENDLY FEATURES

Graphic display supplies you with valuable information about the performance of your application

INPUT VALUES

Analog or digital inputs can be displayed for monitoring purposes.

PROPORTIONAL OUTPUT COMMANDS

Active outputs indicate the function that is on and the level of output.

LATCHED OUTPUT COMMANDS

Status of latched functions such as Engine High/Low Idle or Pump On/Off can be displayed.

CAN-bus COMMANDS

Standard J1939 or other custom CAN-bus values can be displayed. Example shows a custom readout for the Boom Angle and Load.

FAULT NUMBER

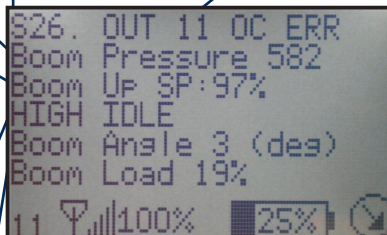
Each fault has a number and letter indicating a System (S) or User (A) alarm useful in troubleshooting and installation.

DESCRIPTION OF FAULT

In this example, Output 11 has an Over Current Error due to a faulty solenoid.

RECEIVER WATCH DOG

The watch dog spins to indicate the MHR is actively running.



RF SIGNAL STATUS INDICATOR

RSSI provides a measure of the quality and strength of the RF communication between the transmitter and receiver.

TRANSMITTER BATTERY INDICATOR

Battery life is displayed to indicate when it's time to change batteries.

Informative operator panel features fully sealed pushbuttons for menu navigation and modifying system settings



DESIGN FLEXIBILITY

COMBINE WITH A TRANSMITTER FOR THE PERFECT PACKAGE



Magnetek provides innovative, cost-effective, custom-engineered wireless communication products, complete with hydraulic interface controls. These are designed to your specifications, reducing internal engineering and manufacturing costs, improving time to market, and enhancing equipment performance. We offer complete plug-and-play hydraulic control packages designed specifically for your machine, manufactured and tested on our panel assembly line.

Whether you need one or 1000, Magnetek can custom design a wireless solution to fit your exact needs.

For more information, contact Magnetek at 800.288.8178 or sales1@magnetek.com, or your local Magnetek Sales Representative.



MAGNETEK
E N R A N G E



WWW.MAGNETEKMOBILEHYDRAULIC.COM

N49 W13650 Campbell Drive
Menomonee Falls, WI 53051

Toll-Free Phone 800.288.8178
Toll-Free Fax 800.298.3503
Phone 262.783.3500
Fax 262.783.3510

CANADA FACILITY
4090B Sladeview Crescent
Mississauga, Ontario
L5L 5Y5 CANADA

Phone 800.792.7253
Fax 905.828.5707