

FLEX M

Wireless Receiver

IDEAL FOR
CRANE & HOIST FLUID POWER
APPLICATIONS



The versatile Flex M wireless receiver features a modular plug-and-play design (similar to a PLC) which allows one plant to use the same type of receiver component for any size application. Each essential part of a receiver is built into compact, machine mountable modules. The family of modules can then be combined together to form a complete system. Flex M can provide digital, analog, or serial interfaces, and is capable of one-way or two-way communication. It can manage systems ranging from simple relay outputs to complex I/O and communication networks.

SYSTEM STRUCTURE

Each module is connected by an integral side connector that supplies internal communications and power.

- Consists of a RF/CPU serving as the brains of the system
- Another component is the selected power module
- As many output (relay or other) or input modules as needed for the application can be added
- LED lights provide diagnostics for each individual module
- Each module has up to four removable connectors for easy wiring and replacement of any modules

VERSATILE & CUSTOMIZABLE DESIGN

- Engineered system offers the choice of I/O and RF power
- System can expand for different applications, making it ideal for plant wide use
- Features 35mm din rail mountable modules
- Systems requiring data feedback such as load weight or sensor input are available
- Can be coupled with a user-operated transmitter or configured with another Flex M for point-to-point communications

RANGE OF MODULES AVAILABLE

- A variety of RF modules available including two-way and high power
- 24-48 VAC, 110-240 VAC, 6-36 VDC
- Digital and analog input modules
- RS-232, RS-422, RS-485, and CAN-BUS serial communication modules
- Mechanical relay output modules
- Analog (0 to +/- 10 VDC) output modules
- CPU module available with USB, infrared, and PL d rated machine stop outputs
 - Radio Control Programmer (RCP) function allows user to make changes to parameters and save for future use, so spare units can be brought into use faster



IDEAL FOR USE IN A VARIETY OF APPLICATIONS

The Flex M can be customized to meet almost any application. Magnetek provides innovative, cost-effective, custom-engineered radio remote controls complete with hydraulic or crane 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 control packages designed specifically for your equipment, manufactured and tested on our panel assembly line.

Customized Engineered Systems

We'll build a system to your exact specifications.

- Modules mounted in a sealed enclosure (NEMA 4, 12, or stainless)
- Industrial 10 amp main line relay mounted and pre-wired to terminal strip
- Circuit breakers provided for power protection
- Antenna kit supplied and ready for field install
- Available in 16, 24, 32, 40, 48, and 56 output configurations
- Various RF choices:
 - 32 RF channels, license-free, 902-928MHz band, TMS signaling
 - 32 RF channels, license-free, 400MHz band, TMS signaling
 - 32 RF channels, license-free, 2.4GHz, FHSS signaling
 - Licensed, 450-470MHz band, TMS signaling
- Stepless (0-5 VDC, 0-10 VDC, 0+/-10 VDC) interfaces available
- Two way RF communications for feedback applications available
- Digital and analog input capability for interfacing to other devices such as scale (load weight) devices and limit switches
- Transfer switch options include Effective, Directional, and Complete isolation with 4, 10, 14, or 20 pole switches. Relay isolation also available.
- Auxiliary latching relays for lift devices available
- Stepless static (0-20V) interface

Pre-engineered Systems

Our Pre-engineered systems, available for crane and hoist applications, are packaged with one of our versatile transmitters, and offer features not found in most off-the-shelf systems.

- Modules mounted in a sealed NEMA 4 enclosure
- Radio Drive Serial Interface (RDSI)
- Circuit breakers for power protection mounted and pre-wired to terminal strip
- Antenna kit supplied and ready for field install
- Available in 16, 24, 32, and 40 output configurations
- 32 RF channels, license-free, 902-928MHz
- Optional 4-pole transfer switch for effective isolation and pre-wired output cable

For more information, contact your local Magnetek Sales Representative, radio.sales@magnetek.com, or the Magnetek location nearest you.



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