

## Shared 2<sup>nd</sup> speed

The Flex system is pre-configured for a separate 2<sup>nd</sup> speed function, using four relays for a motion. If 2<sup>nd</sup> speed is a shared three relay motion, you can achieve this by turning on bit 6 on the corresponding function DIP switch in the receiver or by jumping the 2<sup>nd</sup> speed outputs together.

## Flex System Quick Reference Guide



**MAGNETEK**  
RADIO CONTROLS

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## Introduction

This guide will assist in setting up the Flex system. It addresses common issues that are encountered when first setting up the system.

For detailed information on the setup and features please refer to your specific Flex system manual.

## Unpacking the System

The second transmitter is under a layer of cardboard and will not be visible when the first transmitter is removed from the box. Do not throw the box away until the second transmitter is located. Be sure to keep the fuses and other parts in a safe location where they can be retrieved if needed.

## Mounting the Receiver

Follow the mounting instructions in the manual.

## Wiring the Receiver

Follow the wiring diagram on the front enclosure or in the manual. The numbers in circles correspond to the wire numbers in the harness.

Incoming power: AC = X1 to wire #1 and X2 to wire #3. DC = Wire #1 is the negative and wire #3 is the positive.

Wire #2 is ground in both cases.

*NOTE: The wires labeled as COM are not a common in the sense of being the neutral side of the circuit; instead these are the Input or X1 side of the circuit. Follow the circuit path through the relay contacts to locate the output wiring.*

## External Antenna

Typically the Flex system does not have or need an external antenna. The only time one is needed is when the receiver will be mounted in a secondary enclosure.

## MAIN, FUNC and ID

The main output shown on the diagram connects to the coil of the mainline contactor. This allows the radio to turn on the mainline of the crane or equipment. COM going into the main circuit must be X1 for the crane not a voltage supply that is controlled by the mainline contactor.

FUNC is a momentary output triggered by the start switch after the system is started. This is the best place to connect a horn or warning device.

ID is a momentary output that triggers anytime any function is being commanded. This is not a good place for a warning device, as it will sound every time any function is called for.

## System Programming

The Flex system is ready to operate as packaged. No programming or switch setting is need unless some of the special features described in the manual are required.

## Transmitter

The transmitter requires two AA batteries; see the manual for battery changing instructions.

## Spare Transmitter

No programming or setup is needed for the spare transmitter. It is set up to operate the system as shipped. If any of the special features described in the manual are used on the main transmitter, simply match the dip switch settings on the spare.