MOTOR LINK Keyfob Remote Motor Controller

Direct remote control of DC gear motor or linear actuator up to 25 amps!

FEATURES

- **Rugged, Compact Receiver**
  Fully encapsulated receiver withstands harsh environments. Small package fits easily in tight spaces.

- **High-Capacity Solid-State Output**
  Directly controls DC gear motors up to 25 amps. 100% solid state output. No mechanical relays to wear out. Controls 2 or 3 wire motors in forward and reverse.

- **Manual Override**
  Terminal provided for manual override switch. Low-power operation compatible with a wide range of low-current single pole switches. Smart override input temporarily override radio control for increased safety.

- **Coded Signal**
  Remote signal is coded to prevent unwanted control by other radio transmitters. Receiver can automatically learn new replacement transmitters as needed.

- **Status Indicators**
  LED’s provided for easy setup and troubleshooting.

- **License Free**
  Pre-certified FCC. No end-user license required.

OPERATION

Radio Operation

2 button keyfob controls 2 or 3 wire reversible DC gear motors or linear actuators in both directions.

Manual Override

A single-pole, double-throw (SPDT) switch can be connected to the override input. This input terminal provides a low-power control signal, so the override switch does not switch the full motor current. When the override switch is in use, the radio remote control is temporarily disabled for safety.

Coding

Each system is factory shipped with a unique random radio address to prevent other radio transmitters from causing unwanted operation. The address can be changed in the field, and the receiver can learn a new transmitter address.

APPLICATIONS

- Electric gates
- Roll-up doors
- Tarpers
- Linear actuator motors

ORDERING INFORMATION

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<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
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<tr>
<td>ML433-KF2</td>
<td>Keyfob transmitter, 2-button</td>
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<tr>
<td>RFM10-MOT</td>
<td>Receiver module with motor control output and override input</td>
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DIMENSIONS

Terminals (not pictured) add additional height.
## SPECIFICATIONS

### Transmitter
- **Frequency**: 433MHz
- **Frequency Control**: FM
- **Range**: Keyfob transmitter: 50-100’ outdoor line of sight
- **RF Power**: 1mW, nominal
- **Battery Type**: 3-volt lithium coin cell, CR 2032

### Receiver
- **Power Requirement**: 12vdc, 50mA max plus motor load current
- **Antenna**: Built-in, (external option)
- **Output type**: 25-amp, Solid state
- **Field Wiring**: Terminal blocks

### Dimensions
- **Overall**: 4.0” L x 2.1” W x 1” H
- **Mounting**: Molded-in mounting tabs. Hardware included.

### Environmental
- **Sealing**: Potted electronic module
- **Storage**: -40ºC to 85ºC
- **Operating ambient temperature**: -10ºC to 50ºC

## WIRING

### TERMINAL BLOCK LABELS:
- **M1**: MOTOR, 20 AMPS MAX.
- **M2**: MOTOR, 20 AMPS MAX.
- **GND**: CHASSIS GROUND / BATTERY NEG (-)
- **V+**: 12V BATTERY POS (+)
- **A**: SWITCH (POSITION 1)
- **COM**: SWITCH POLE/COMMON
- **B**: SWITCH (POSITION 2)
- **25-AMP FUSE**: (RECOMMENDED)
- **OVERRIDE SWITCH**: (OPTIONAL)