

Cranetech inc.

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K-Series Radio Remote Controls:

K1 has single-speed, eight button transmitter with E-stop, key switch, and On/Off. Up to 4 motion single speed control with 0 to 2 programmable auxiliary outputs, alarm output, mainline output, and light output. **K2** has dual-speed switches.

K1 and K2 Series Kits includes four (4) batteries, spare key, spare fuse kit, instruction manual, and a legend sheet for each transmitter. AC only.

Transmitter Features:

- Antenna: Integrated/Internal
- 3 stage low power indicator
- Removable Key. [For push button start, consult factory.]
- Power consumption: Less than 28mA
- Powered by four standard or rechargeable AA batteries

Receiver Features:

- Integrated Horn/Alarm built into receiver
- Visible external power indicator
- Receiver has 2 meter (6 ft) pre-wired cable.
- Receiver features F-Style Antenna connector for easy antenna extension.

Supply Voltages: DC: 12-24; AC: 24, 48, 110, and 220. 110V is the default. Please contact the Factory for part numbers for different supply voltages.

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K-Series Continued:

Specifications:

- Operating Range: 330 feet (100m) - Up to ~1000 feet (300m) - depending on environment
- Frequency: 433.05 to 434.775 MHz, depending on operating channel
- Available Channels: 70
- Enclosure: Nylon with glass fiber, NEMA4 (IP65)
- Emission Power: Less than 10 mW, eight level adjustments
- Channel Spacing: 25 kHz
- FCC Part 15; no license required
- Emission Designator: 114KF1D

Safety Features:

- Emergency Mushroom Switch (EMS or “E-Stop”) is Independently Certified EN-ISO 13849-1 Category 4.
- Dual Independent Micro-controllers
- Dual Mainline Relays Connected in Series (Each Independently Controlled)
- Current sensing jammed relay detection circuit.
- Double contact on EMS in Transmitter

Advanced Features:

Remote Pairing: The transmitter can contact a receiver and “download” the system data via radio, allowing you to replace a lost or damaged radio without any additional tools.

Pitch and Catch Operation: Can be enabled allowing a single receiver to be safely operated by two different operators

Auto-scanning: The Radio is factory programmed to choose between two channels depending upon which one is the clearest on every start, alternately the radio can scan all channels on site and find the clearest pair of channels to use.

Adjustable Emissions Power: Allows some range control of the radio and will reduce the possibility of unnecessary interference by adjacent radios.

Flexible Configuration: The radio can be factory configured to handle a variety of functions, such as:

- On/Off, Maintained or Momentary Buttons with or without interlocking
- Anti-Plugging and Multiple Speed Time Delays
- Magnet Operation Mode (one button to engage, two button to release)
- Additive and Make-before-Break (2-speed control)
- Independent Receiver and Transmitter Time outs (Power Off)