

## Radio Remote Control Systems

### MC-2-3/MC-2-5



MC-2-3 system



Graphical display with machine information



MC-2-5 system

*Cavotec is a global engineering group that manufactures power transmission, distribution and control technologies that form the link between fixed and mobile equipment in the Ports & Maritime and Airports & Industry sectors.*

*One of Cavotec's eight Centres of Excellence, Cavotec Micro-control engineers advanced radio remote control systems in close co-operation with customers worldwide.*

#### Benefits

- Robust push-buttons remote control systems for industrial use:
  - MC-2-3: 6 two step push-buttons & 4 selector switches with LED feedback.
  - MC-2-5: 10 two step push-buttons & 4 selector switches with LED feedback.
- High-end reliability and safety with "full size safety stop".
- High ergonomic with compact sizing, light weight and graphical display.
- On time operations with a feedback standard function.
- Provided with the unique MC-IRX base unit.
- Signal strength and battery life indicator in display.

#### Applications

Cranes (overhead, portal, loading arm, tower, hydraulic), ship davits, forestry winches, recovery vehicles, concrete pumps, A-frames, doors.

## Technical characteristics

### Terminals MC-2-3/MC-2-5

- 30 hours continuous safe operation with 2 x AA batteries and battery saving timeout.
- Safety reinforced by a PIN lock access (optional).
- Support bag.
- Automatic radio frequency selection.
- Light weight and long operating distance for a better operating comfort.

### Receiver Units

- MC-IRX, with 3 pre-set selectable programs for customised engravings.
- Safe operations with interlocked push buttons, industrial applications.
- Flexible system with either automatic or manual frequency changes.
- Unique signal encoding preventing any unintended operations reinforced by an activity check on start up.
- Fast stop relay activation (50 mS).
- Data recovery for operation records with a log of the last 10 operating sessions (providing usage indications and radio signal quality).
- License free frequency with low power outputs (ISM band within 434.050 MHz- 434.775 MHz).
- May be used with different MC receiver units.
- Optional customised programmes.

### General data

Model	MC-2-3	MC-2-5
Dimensions	230 x 74 x 70 mm	280 x 74 x 70 mm
Weight	350 g	450 g
IP	IP66	
Temperature	- 25°C to +60°C, -13°F to +158° F	
Operating distance	Approx. 200m	
Operating time	Up to 30 hours continuous operation with fully charged batteries	
Battery	2 AA rechargeable NiMH batteries	
Battery charger	AA charger 100-240 VAC, 12 VDC	
Radio power	< 10mW	
Frequency	Auto/Selectable channel, 433-434 MHz	

## Approvals & Standards

Cavotec radio remote control systems are used worldwide and as a result comply with a variety of international rules and regulations. All radio remote systems are CE marked according to the highest standards and in compliance with European Machinery Directive, IEC 60204 and ISO 13849.