



Radio Control Systems



## Flex HANDY

Remote Control for Overhead  
Lifting Equipment & Machinery



# FLEX HANDY



## FLEX HANDY General Features

### Advanced Controls

The Flex HANDY system utilises dual advanced microprocessor controls with 32bit CRC and Hamming Code, providing ultra-fast, safe, precise and error-free encoding and decoding.

### Over One Million Unique ID Codes

Each and every Flex HANDY system has its own unique ID codes, never repeats.

### Receiver Status Feedback

The Flex HANDY system is capable of two-way communication between the transmitter and receiver with status feedbacks (e.g. receiver MAIN relays and fault detection).

### 62 User Programmable Channels

Advanced synthesized RF controls with 62 built-in channels set via push-buttons and dipswitches. When the transmitter channel is changed the receiver channel is also changed accordingly.

### Wireless Remote Pairing Function

System information can be transferred wirelessly between two transmitters or between a transmitter and a receiver without the hassle of resetting the spares.

### Reliable Push-buttons

The transmitter push-buttons are ultra-durable and reliable for more than one million press cycles.

### Ultra Durable & Rugged Enclosures

The transmitter and receiver enclosures are made from industrial strength nylon and fibreglass composite material, not ABS plastic. All housings meet the IP66/NEMA4 requirements and are highly resistant to dirt, liquid, acid, alkali, grease and oil penetration. The receiver enclosures and output cables are UL94-V0 rated.

### Compact and Lightweight

The ergonomically designed transmitter and receiver enclosures are extremely compact and lightweight for easy operation and installation.

### Unique Mounting Bracket

The removable receiver mounting brackets are uniquely designed for easy mounting and dismounting.

### Low Power Consumption

The transmitter requires only two "AA" alkaline batteries with more than 150 hours of operation. If rechargeable method is preferred, any off-the-shelf high capacity Ni-MH rechargeable batteries can be used in conjunction with the in-house designed charging station, fully interchangeable.

### Abundant Programmable Functions

All functions and settings are easily

- ▶ Ergonomic, Compact & Lightweight
- ▶ Durable & Rugged
- ▶ Safe & Reliable
- ▶ Fully Sealed Enclosures (IP66/NEMA4)
- ▶ 62 User Programmable Channels
- ▶ Wireless Remote Pairing
- ▶ Unique Receiver Mounting Brackets

set via push-buttons, dipswitches, jumpers, and in-house designed programmer unit. Customized functions can also be added upon request.

### Full System Compatibility

The software and majority of the hardware are fully compatible with the Flex ECO series, minimizing spare parts inventory.

### Pre-wired Output Cable

A pre-wired cable is standard equipment on all Flex HANDY systems.

### Worldwide Approvals

The Flex HANDY systems are fully tested and certified in accordance

with the FCC Part-15 Rules and European Safety Standards such as the EN 301 489-1&3, EN 300 220-1&2, EN 60204-32, EN 60950, EN 60529 and EN 13849-1 Category PLD.

### Standard Kit Accessories:

Flex HANDY system is standard-equipped with, one transmitter, wrist strap, rubber guard, belt clip, push-button labels, PVC vinyl sleeve and output cable.

### Optional Accessories:

Removable mounting bracket, magnet mount, ring hook, waist belt, miniature indicator light & buzzer, charging station

## General Specifications

**Frequency Range:** 433MHz, 458MHz, 471MHz, 850MHz...

**Modulation:** Digital frequency modulation based on Manchester Code, 20bit address, 32bit CRC Parity Check and Hamming Code

**Encoding / Decoding Reference:** Advanced microprocessor controlled

**Operating Range:** >100 Meters / 300 Feet

**Frequency Control:** Synthesized PLL

**Responding Time:** 40mS (average)

**Receiver Sensitivity:** -116dBm

**Transmitter Voltage:** 3.0VDC

**Output Contact Rating:** 250VAC @ 6A

**Receiver Voltages:** 24~48VAC @ 50/60Hz  
48~240VAC @ 50/60Hz  
9~36VDC

**Enclosure Rating:** IP66 / NEMA4

**Operating Temperature:** -25°C ~ 75°C / -13°F ~ 167°F

**Transmitter Dimensions:** 130mm (L) x 55mm (W) x 40mm (H)

**Receiver Dimensions:** 120mm (L) x 90mm (W) x 55mm (H)

**Transmitter Weights:** 183g / 6.4oz (includes batteries)

**Receiver Weights:** 900g / 2.0lb (includes output cable)

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HANDY**



UK

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