

# FLEX

Mini Series

## Industrial Radio Control Systems

- ▶ Compact & Lightweight
- ▶ Durable & Rugged
- ▶ Safe & Reliable
- ▶ Wireless Remote Pairing

- ▶ Fully Sealed Enclosures (IP-66)
- ▶ 32 User Programmable Channels
- ▶ User Programmable Keypads
- ▶ Over Sixteen Million ID Codes (24 Bit)



**Advanced Controls** - The Flex Mini system utilizes advanced microprocessor controls with 32 bit CRC and Hamming Code, providing ultra fast, safe, precise and error-free encoding and decoding.

**Over Sixteen Million Unique ID Codes** - Each Flex Mini system has its own unique identification code, never repeats.

**32 User Programmable Channels** - Advanced synthesized RF controls with 32 built-in channels set via pushbuttons.

**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 Pushbuttons** - The transmitter pushbuttons are ultra durable and reliable for more than 5 million press cycles.

**Durable & Rugged Enclosures** - All enclosures are made from industrial-strength nylon and fiberglass composite materials, not ABS plastic. All housings meet the IP-66/NEMA-4 requirements and are highly resistant to dirt, liquid, acid, alkali, grease and oil penetration.

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

**Unique Mounting Bracket** - The receiver mounting brackets are uniquely designed for easy mounting and dismounting.

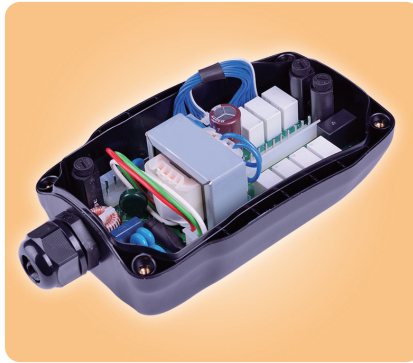
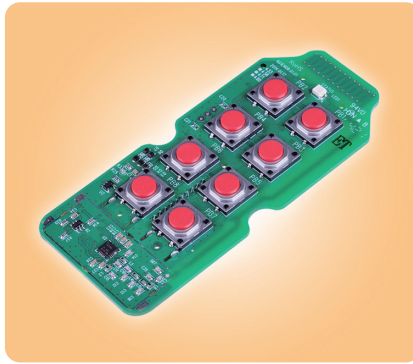
**Low Power Consumption** - The transmitter requires only two "AA" alkaline batteries with more than 100 hours of operation.

**Abundant Programmable Functions** - All functions and settings are easily set via pushbuttons, dipswitches, jumpers and external programmer unit. Custom functions can also be added upon request.

**Labels and Accessories** - The Flex Mini system is standard-equipped with various types of keypad arrangements, pushbutton labels, wrist strap and belt clip. Special magnet mount is optional.

**Prewired Output Cable** - A prewired cable is standard equipment on all Flex Mini systems.

**Worldwide Approvals** - The Flex Mini systems are fully tested and certified in accordance with the FCC Part-15 Rules and EU Safety Standards.



## General Specifications

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

**Modulation:** Digital Frequency Modulation

**Encoding / Decoding Reference:** Microprocessor Controlled

**Operating Range:** >50 Meters / 164 Feet

**Frequency Control:** Synthesized PLL

**Responding Time:** 40~60ms

**Receiver Sensitivity:** -104dBm

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

**Output Contact Rating:** 250VAC @ 8A

**Enclosure Rating:** IP-66 / NEMA-4

**Transmitter Voltage:** 3.0VDC

**Receiver Voltages:** 24 ~ 48VAC @ 50/60Hz

110 ~ 460VAC @ 50/60Hz

9 ~ 36VDC

**Transmitter Dimensions:** 120mm (L) x 54mm (W) x 28mm (H)

**Receiver Dimensions:** 170mm (L) x 106mm (W) x 69mm (H)

**Transmitter Weight:** 160g / 5.6oz (include batteries)

**Receiver Weight:** 1.0kg / 2.2lb (include output cable)

## Accessories



|        |        |      |       |       |        |        |
|--------|--------|------|-------|-------|--------|--------|
| START  | ON/OFF | AUTO | OUT   | RIGHT | UP     | ▲      |
| STOP   | ON/OFF | AUTO | OUT   | RIGHT | DOWN   | ▼      |
| ON     | ON/OFF | AUTO | OUT   | LEFT  | EAST   | ◀      |
| ON     | ON/OFF | AUTO | FWD   | LEFT  | WEST   | ▶      |
| ON     | ON/OFF | MAN  | 1     | FWD   | NORTH  | ↖      |
| ON     | ON/OFF | MAN  | 2     | FWD   | SOUTH  | ↗      |
| ON     | ON/OFF | MAN  | 3     | FWD   | LEFT   | ↙      |
| ON     | ON/OFF | MAN  | 4     | FWD   | RIGHT  | ↘      |
| OFF    | ON/OFF | MAN  | REV   | ON    | W      | ↺      |
| OFF    | ON/OFF | MAN  | REV   | ON    | S      | ↻      |
| OFF    | ON/OFF | MAN  | REV   | ON    | SW     | ↻      |
| OFF    | ON/OFF | MAN  | REV   | ON    | SE     | ↻      |
| ON/OFF | CLOSE  | 2    | IN    | REV   | ON     | SLIGHT |
| ON/OFF | CLOSE  | 3    | IN    | REV   | ON     | SLIGHT |
| ON/OFF | CLOSE  | 4    | IN    | REV   | ON     | SLIGHT |
| ON/OFF | CLOSE  | OUT  | RIGHT | ON    | SLIGHT | SLIGHT |
| ON/OFF | AUTO   | OUT  | RIGHT | ON    | SLIGHT | SLIGHT |

### Advanced Radiotech Corporation

1F, 288-1, Hsin Ya Road, Chien Chen District, Kaohsiung, Taiwan

Tel: +886-7-812-8112 Fax: +886-7-812-8119

sales@advanced-radiotech.com

http://www.advanced-radiotech.com

Distributed By:

Modular Cranes  
138 Derrimut Drive  
Derrimut, Melbourne  
Australia 3030  
PH: (03) 93941448