Radio Control Systems

UK

Flex Mini
Remote Control for use on **non-safety** equipment

FLEX Mini General Features

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 push buttons.

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 5 million press cycles.

Durable & Rugged Enclosures
All enclosures are made from industrial-strength nylon and fibreglass composite material, 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 push buttons, dip switches, jumpers and external programmer unit. Custom functions can also be added upon request.

Standard Kit Accessories:
One transmitter, Various types of keypad arrangements, push button labels, wrist strap and belt clip.

Optional Accessories:
Special magnet mount, Removable mounting bracket.

Pre-wired Output Cable
A pre-wired 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.

- ▶ 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)
- ▶ For Use On Non Safety Related Circuits (e.g. Winches/Doors)

General Specifications

Specification	Value
Frequency Range:	433MHz, 458MHz, 471MHz, 850MHz...
Modulation:	Digital frequency modulation based on Manchester Code, 24bit address, 32bit CRC Parity Check and Hamming Code
Encoding / Decoding Reference:	Advanced microprocessor controlled
Approximate Operating Range:	>50 Meters / 164 Feet
Frequency Control:	Synthesized PLL
Responding Time:	40~60mS
Receiver Sensitivity:	104dBm
Transmitter Voltage:	3.0VDC
Output Contact Rating:	250VAC @ 8A
Receiver Voltages:	24VAC @ 50/60Hz 42VAC @ 50/60Hz 48VAC @ 50/60Hz 110~120VAC @ 50/60Hz 220~240VAC @ 50/60Hz 380~400VAC @ 50/60Hz 410~460VAC @ 50/60Hz 9~36VDC
Enclosure Rating:	IP-66 / NEMA-4
Operating Temperature:	-25°C ~ 75°C / -13°F ~ 167°F
Transmitter Dimension:	120mm (L) x 54mm (W) x 28mm (H)
Receiver Dimension:	170mm (L) x 106mm (W) x 69mm (H)
Transmitter Weights:	160g / 5.6oz (include batteries)
Receiver Weights:	1.0Kg / 2.2lb (include output cable)