



FLEX
RADIO CONTROL SYSTEMS

**Radio Control
Systems**



FLEX
RADIO CONTROL SYSTEMS

Radio Control Systems for Overhead Lifting Equipment & Machinery



Flex and Anti Collision Unit



Modification utilising Flex Radio Control



Flex 4EX used on Stahl chain hoist



Introducing Flex Series Radio Control Systems ...a cost effective solution to the restrictions of hard-wired pendant control.

Each system comes with TWO transmitters in either 4, 8 or 12 button configurations to meet all of your applications. Indoors or out, the tough IP66 rated nylon/fibreglass composite transmitter and receiver enclosures give you the confidence for use in the harshest environments.

We aspire to provide the highest level of excellence in products and service, whilst remaining competitive in the market place. A professional engineering and technical staff backs all of our products. Whatever your industry, we are ready to meet your needs with Flex Series Radio Control Systems.

- Ergonomic and Lightweight
- Durable and Rugged
- Safe and Reliable
- Fully Sealed Enclosures (IP-66)
- 62 User - Programmable Channels
- Automatic Channel Scanning Receiver
- Unique I-CHIP Design
- Removable Power Key Switch



Flex 4EX used on Olympics hoist



Flex 8EX used on Demag DC Com



Flex 8EX used on Demag DC Pro



Flex 12EX system used on semi automatic crane with electrically operated grab



62 User-Programmable Channels

Advanced synthesized RF controls, no more fixed channels or fragile quartz crystals to break.

Automatic Channel Scanning Receiver

Eliminates need to change receiver channels.

Over 1 Million Unique ID Codes (20Bit)

Each Flex System has its own unique identification code . . . never repeats.

Advanced Controls

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

Unique I-CHIP Design

The I-CHIP function is similar to SIM cards used on mobile phones, with the ability for the user to transfer information and settings from one transmitter to another.

Reliable Push Buttons

The in-house designed buttons have gold plated contacts and are rated for more than 1 million operations. The defined snap-action steps provide positive tactile feedback even wearing gloves.

Durable & Rugged enclosures

All enclosures are made from industrial-strength nylon and fiberglass composite materials. All housings meet IP66 requirements and are highly resistant to dirt, liquid, acid, alkali, grease and oil penetration.

Abundant Programmable Functions

Each system is equipped with more than 200 user-programmable functions to suit all types of applications.

Pitch & Catch Operation

This function allows 2 operators to control a crane from opposite ends of a long workshop.

Tandem Operation

This function allows 2 operators to control 2 cranes independently or simultaneously.

Random Access Operation

This function allows 3 operators to randomly control 3 cranes on a "first come - first served" basis.

Pre-Wired Output Cable

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

Receiver & Transmitter Specifications

Frequency Range:	433 - 434 MHz (62 channels)	
Modulation:	Digital Frequency Modulation	
Encoding/Decoding Reference:	Microprocessor Controlled	
Operating Range:	100 Metres/300 Feet approx	
Frequency Control:	Synthesized PLL	
Response Time:	40ms (average)	
Receiver Sensitivity:	-113dBm	
Transmitter Voltage:	3.0V DC	
Enclosure rating:	IP-66	
Output Contact Rating:	250V AC @ 6A	
Supply Voltage:	110-460V AC	
Optional:	24, 42 & 48V AC 12-24V DC	
Operating Temperature:	-25°C to 75°C	
Transmitter Dimensions:		
	4 Buttons	138mm L x 69mm W x 34mm D
	8 Buttons	184mm L x 69mm W x 34mm D
	12 Buttons	230mm L x 69mm W x 35mm D
Large Receiver Dimensions:	363mm L x 228mm W x 70mm D	
Flex 4 Receiver:	180mm L x 150mm W x 82mm D	
Transmitter Weight:	4 Buttons	92g
	8 Buttons	242g
	12 Buttons	269g
Large Receiver Weight:	2.5kg	
Flex 4 Receiver Weight:	2.1kg	



info@proservecranes.com Tel: + 353 (1) 247 9199

