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Infra-Red & Radio
Remote Control
Crane Systems

COMMANDER™
COMMANDER

Horizontal & Vertical
Collision Avoidance
Crane Systems

Sales Specification for Crane Remote Control System **€5™** Push Button Radio Transmitter with **RD-09™** Teachme™ Receiver Decoder



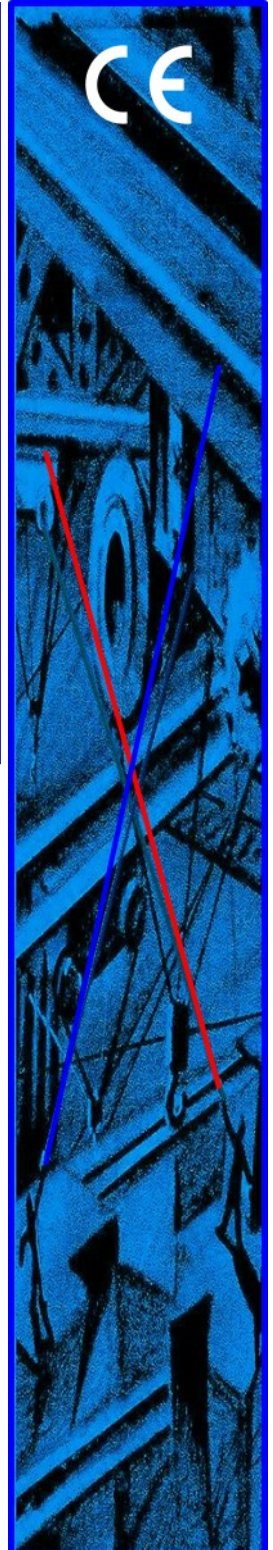
LEDLamp-II™
Crane Activity Indicators



€5™
Single Speed 3M Option



€5™/RD-09™ Radio Push Button System



The **COMMANDER™** Teachme™ dual channel (CAT 3) dual microprocessor controlled digital **Radio** remote control system with **€5™** push button transmitter is a **FAST, POWERFUL & FLEXIBLE** product. Specially designed for the safe and cost effective operation of 1 or 2 motion 2 speed electrical travelling Hoists or 3 motion single speed electric overhead Cranes or other electrically powered equipment requiring single or 2 speed control from a ground based operator. The **Teachme™** remote control system uses a receiver decoder that is sized to suit the application and to minimise interface redundancy. This standard version **RD-09™** receiver decoder is supplied with 6 motion control relays plus dual channel CAT 3 safety and is also used in **XBData™** system for totally cable-less crane control systems. This system is not expandable. The **RD-09™** receiver decoder can be reprogrammed at any time (during the **Teachme™** access time window) with a replacement transmitter. The **COMMANDER™** **€5™** range of push button transmitters have been designed for maximum flexibility for multiple configurations and features advanced design enclosure to enable 5 standard transmitter types to be supplied in a 6, 8, 10, 12 & 14 button format. This design enables further possibilities to incorporate extended length enclosures to feature rotary selector switches, supervisory key switch options and LED's for the **TalkBak™** signalling system available as standard feature options. The **SnuGlove™** transmitter environmental protection option protects in harsh chemicals are present in the operating environment. Command legends included to suit the country of destination.

Specialist Designers & Manufacturers of Industrial **Infra-Red** & **Radio** Remote Control; **Infra-Red**, **Ultrasonic** & **Microwave** Crane Detection Systems for Horizontal & Vertical (multi-level) applications; Simplex & Duplex Data Communicators; High Integrity Control Systems, Eddy Current Brakes & Closed Loop Controllers for High Integrity Heavy Lift Cranes & other Material Handling Applications: **U.K. Designed & Manufactured.**



Technical Details for **€5™ Push Button Radio Transmitter with RD-09™ Teachme™ Receiver Decoder**



RD-09™ Teachme™ Receiver Decoder

Safety	CAT 3, Two FG MCR's & dual channel μ P's (microprocessors)
Enclosure	Sheet Steel with hinged door
Size	260W x 206H x 94D (mm)
Finish	Powder coated in Black
Cable ports provided	Qty 4 @ 20mm (for interface cable gland, connectors)
AC Voltage Version	42V-230V AC (3 formats) (DC to order)
Environmental	-10°C to +55°C IP54
Volt Free Relays	9 N.O. volt free contacts
Power & Interface	Plug & socket I/O terminal connectors
Signal Input	BNC co-axial from PLL Radio receiver module
MLC Monitoring	Voltage or optional current monitoring (subject to VFD/FVD's).
Diagnostics	Alphanumeric and LED's
Security Codes	Teachme™ coding from the transmitter

RFRx€™ PLL Radio Receiver (with RF cable)

Type (extruded frame)	Omni-directional (under-crane mount) anodised Blue
Operating Range	150+ Metres (free airspace)
Environmental	-10°C to +55°C IP55
Connection	Single BNC co-axial port

€5™ Push Button Radio Transmitter

Safety	CAT 3 EM Stop & dual channel μ P's (microprocessors)
Construction	Extruded Aluminium
Dimensions (Standard)	76W x H (192-320) x 34D (mm)
Finish	Anodised in Blue
Weight	400 grams (with battery)
Battery Type	Rechargeable NiMH pack
Environmental	-10°C to +55°C IP55
RF Frequency	433-434 MHz (Installer channel set) (other frequency options)
Primary Controls	Push to operate tactile buttons (6 or 8 button option)
Speed Steps	Single and two speed (Three speed PulseMatic™ option on RD-17™)
Auxiliary controls	Rotary & key switches
Diagnostics	Battery warning & status LED's
Security Codes	Factory set
Operating Range	150+ Metres Approx (free airspace)
Safety Crane Start Up	Infra-Red safety CloseStart™ option in built to all radio systems
Charge Life	18 hours @ 100% duty

€5™ Transmitter Battery Chargers

Fast/trickle version	40 minutes approximately in fast mode/auto trickle
Trickle only version	Constant current trickle charge
Environmental	-10°C to +55°C IP54
Power	230V AC (115V AC option)



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