

the future is now - be there with us™

Infra-Red & Radio
Remote Control
Crane Systems

COMMANDER™
COMMANDER

Horizontal & Vertical
Collision Avoidance
Crane Systems

Sales Specification for Crane Remote Control System **E5™** Push Button Radio Transmitter with **RD-I7™** Teachme™ Receiver Decoder



LEDLamp-II™
Crane Activity Indicators



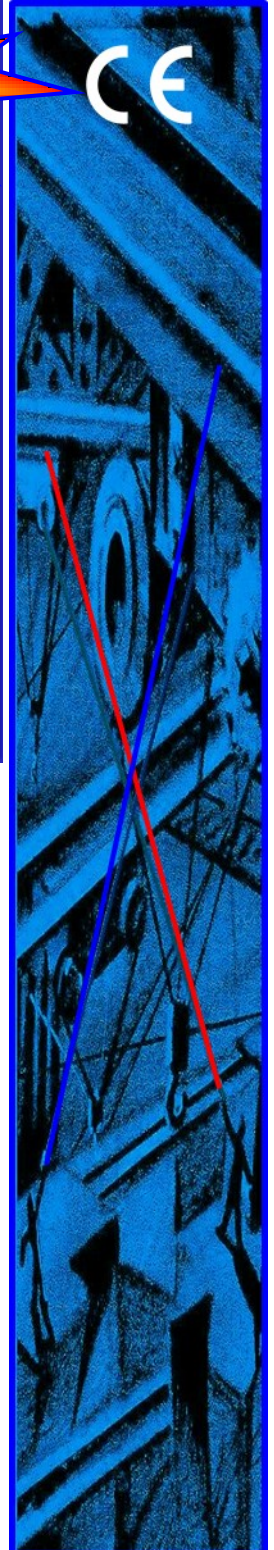
TruTandem™
Crane Communicators



E5™
Push Button Options



E5™ / RD-I7™ Radio Push Button System



The **COMMANDER™ Teachme™** dual channel (CAT 3) dual microprocessor controlled digital **Radio** remote control system with **E5™** push button transmitter is a **FAST, POWERFUL & FLEXIBLE** product. Specially designed for the safe and cost effective operation of 3, 4 or 5 motion (or more) electric overhead cranes and other electrically powered equipment requiring 1, 2 (or 3 speed with **PulseMatic™**) 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. One standard **RD-I7™** receiver decoder is expandable with additional relay interface PCB's, Analogue drivers for up to 4 motions and **TruTandem™** multiple crane control. The **RD-I7™** receiver decoder can be reprogrammed at any time (during the **Teachme™** access time window) with a replacement transmitter.

COMMANDER™ E5™ 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. Infra-Red safety **CloseStart™** option in-built. 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.**

TP **TechPoint™**

Technical Details for **€5™ Push Button Radio Transmitter with RD-I7™ Teachme™ Receiver Decoder**



RD-I7™ Teachme™ Receiver Decoder

Safety	CAT 3, Two FG MCR's & dual channel μ P's (microprocessors)
Enclosure	Sheet Steel with hinged door
Size	338W x 250H x 97D (mm)
Finish	Powder coated in Black
Cable ports provided	Qty 1 @ 25mm, Qty 3 @ 20mm
AC Voltage Version	42V-230V AC (3 formats) (DC to order)
Environmental	-10°C to +55°C IP54
Volt Free Relays	17 - 33 N.O. volt free contacts (N.C. & Latch available)
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 FD/FVD's).
Diagnostics	Alphanumeric and LED's
Security Codes	Teachme™ coding from the transmitter
Expandable with	Up to Qty 2, 8 relay PCB's/Analogue) PulseMatic™ / TruTandem™

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 Red
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
Speed Steps	Single, two and three speed PulseMatic™ speed option
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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