

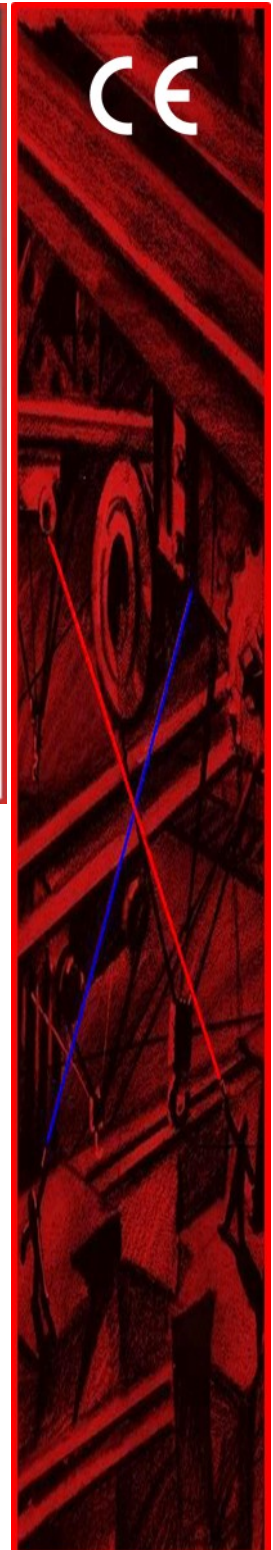
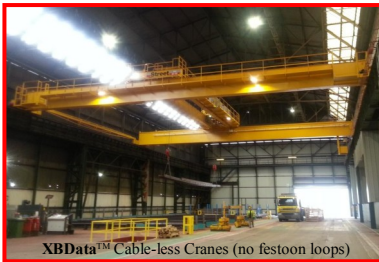
the future is now - be there with us™

Infra-Red & Radio
Remote Control
Crane Systems

COMMANDER™
COMMANDER

Horizontal & Vertical
Collision Avoidance
Crane Systems

Sales Specification for **XBData™** Infra-Red Crane Bridge to Hoist (s) Command & Communication for Infra-Red or Radio Systems



The **XBData™** Bridge to Hoist (s) Command & Communication System provides a safe, economical and cost effective way to eliminate cross bridge control & power wiring on the bridge & festoon systems. Old method systems are commonly associated with costly downtime when such systems fail by way of mechanical collapse or simply wear out at end of life and their hanging loops can also fail through constant flexing or get snagged & ripped out on loads or high 'in factory' machinery or other obstructions either permanent or temporary. Instances have occurred when unequal festoon loops (hanging low) have snagged on and toppled structures being worked on resulting in injuries to workers. The **XBData™** system can be used on cranes with single or multiple hoists each with their own 'on board' motor control panel. The **XBData™** system is in addition to the usual **COMMANDER™** remote control system (Infra-Red or Radio), each hoist would require a single receiver decoder, sized to suit the number of output commands for each hoists' functions. The 415V AC power supply for the hoist(s) can easily be installed along the crane bridge (see picture overleaf) using enclosed conductor bar and wired from the load side of the crane MLC. Collectors are installed on each hoist similar to those on crane gantries to provide a power source to the crane bridge. As well as facilitating in works testing of new cranes, in the event of hoist removal from the crane bridge or even during erection of the crane and hoist (s) on site connectivity or motor polarisation (direction) issues should be eliminated.

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 XBData™ Infra-Red Crane Bridge to Hoist (s) Command & Communication for Infra-Red or Radio Systems



XBData™ RD-09™ & RD-17™ Teachme™ Receiver Decoder

Safety	CAT 3, Two FG MCR's & dual channel µP's (microprocessors)
Enclosure	Sheet Steel with hinged door
Size RD-09™	260W x 206H x 94D (mm)
Size RD-17™	338W x 250H x 97D (mm)
Finish	Powder coated (Black as standard)
Cable ports provided for	Power, Interface & Data connector.
AC Voltage Version	24V-230V AC (3 formats) (DC to order)
Environmental	-10°C to +55°C IP54
Volt Free RD-09™	9 N.O. volt free contacts (N.C. & Latch available)
Relays RD-17™	17 - 33 N.O. volt free contacts (N.C. & Latch available)
Expansion RD-17™	Up to Qty 2, 8 relay PCB's/ PulseMatic™ option
Power & Interface	Plug & socket I/O terminal connectors
Signal Input	Plug-in to provisioned port from Infra-Red Simplex Receiver
MLC Voltage Monitor	Connectivity method subject to installed VFD/VFD's)
PCB Diagnostics	Alphanumeric and LED's
Security Codes (infinite)	Teachme™ coding from the transmitter

XBData™ Infra-Red Simplex Receiver (Red Indicator LED)

Type (extruded frame)	Hoist trolley/carriage mount, anodised Red
Interface cable	Data cable fitted to the receiver end closure with connector
Operating Range	40+ Metres (line of sight with Simplex transmitter)
Alignment	Offset with Simplex transmitter (subject to number of hoists)
Environmental	-10°C to +55°C IP55

XBData™ Infra-Red Simplex Transmitter (Green Indicator LED)

Type (extruded frame)	Bridge/end carriage mount, anodised Red
Interface cable	Data cable fitted to the transmitter end closure with connector
Operating Range	40+ Metres (line of sight with Simplex receiver)
Alignment	Offset with Simplex receivers (subject to number of hoists)
Environmental	-10°C to +55°C IP55



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