

the future is now - be there with us™

Infra-Red & Radio
Remote Control
Crane Systems

COMMANDER™

Horizontal & Vertical
Collision Avoidance
Crane Systems



Case Study



British Designed
& British Made

ES Radio Remote Control with TalkBak™ Feature

- Location** United Kingdom
- Industry** Passenger & Military Aircraft Jet Engine Manufacturer
- Application** 25 Ton SWL Double Girder EOT Crane with 'Built Engine' Lifting Frame with 'secure engine hold' locking mechanism.
- Project** Convert the existing crane pendant operation to remote control using **Radio** as the transmission medium for safety and effective range control (**Infra-Red** option). In addition to the remote control application the old very bulky pendant station had attached above a large enclosure carrying proving indicators to show when locking keys were engaged and the engine firmly secured in the Lifting Frame. We incorporated this status information in the hand held **COMMANDER™** controller, signals being derived from a **COMMANDER™ TalkBak™** signalling system which monitored the on crane lifting frame locking devices.

Pictures

*These pictures
are not to scale
(see dimensions
below)*

Before



Size (imperial)

11" Wide x 25" Long

Size (metric)

(280mm Wide x 635 Long)

After



4" Wide x 17½" Long

(100mm Wide x 444mm Long)

Specialist Designers & Manufacturers of Industrial **Infra-Red** & **PLL Synthesiser Radio** Remote Control; **Infra-Red, Ultrasonic & Microwave** Collision Avoidance Systems for Horizontal & Vertical (multi-level) applications; Simplex & Duplex Data Communicators; High Integrity Control Gear for High Integrity Material Handling Applications; Designers & Manufacturers of Eddy Current Brakes & Closed Loop Controllers; CE compliant: **U.K. Designed & Manufactured.**



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