

Joystick Radio Control for Industrial Cranes & Equipment



TYPICAL APPLICATIONS

- ◆ OVERHEAD CRANES
- ◆ ELECTRIC HOISTS
- ◆ CONVEYORS
- ◆ RECOVERY VEHICLES
- ◆ GENERAL PLANT & MACHINERY



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TECHNICAL INFORMATION

Transmitters



ZEUS



THOR

Specification:

Dimensions:		
ZEUS	210 x 130 x 150mm	1.2 kg
THOR	295 x 150 x 150mm	1.65 kg
Frequency Range	434.050—434.775Mhz	
Seperation	25Khz steps	
No of channels	30	
Range	~100mts in clear conditions	
Modulation	GMSK	
Output power	10mW ERP	
Pairing addresses	65,536	
Housing material	Fibre re-enforced nylon	
Protection	IP65	
Temp range	-20°C to +70°C	

The Joystick transmitter range includes 2 different models as follows :-

- ◆ ZEUS - 2 x Joysticks + ancillary functions
- ◆ THOR - 2,3 or 4 x Joysticks + wider range of ancillary functions

Both types can be fitted with digital readout (shown above on THOR transmitter)

Battery charger:

Power supply	AC version 230V DC version 11-32V
Absorption	3 W during charging
Recharging time	~ 3hours
Charging temp.	0°C to +35°C
Dimensions	137 x 75 x 30mm
Weight	AC Version 825g DC version 535g

Receivers

Models:

The **M550S ZEUS & THOR** range of Radio systems uses two standard types of Receiver as shown below :

Data common to both Type "L" & "H"



Type 'L'
20 x 12 Amp
volt free relays



Type 'H'
16 - 48 x 12 Amp
volt free relays

Power supply AC	24, 48, 110 & 230VAC
Power supply DC	12 to 28VDC
Absorbed power	20W max
Max. analogue outputs	8—Voltage or Current driven
Stop relay volt free	Category 4 6A
Start relay volt free	Yes
Security relay volt free	Operated by each motion button
Dimensions	Type 'L' - 145 x 65 x 225 Type 'H' - 205 x 280 x 130
Weight	3.5Kg
Housing material	Fibre re-enforced nylon
Protection	IP65
Temp range	-20°C to +70°C
Frequency range	434.050—434.775Mhz
Seperation	25Khz steps

Relevant standards:

- Machine directive 98/37 CE
- EN 330 220-3 (2000) (Standard SRD)
- EN 301 489-1 (2000) (Standard EMC)
- EN 301 489-3 (2001) (Standard EMC)
- EN 61000-6-2 (Standard EMC)
- EN 60204-32, 1998-10 (Machinery safety)
- EN 60950 (2000) (Safety information technology)
- 1999/5/CE ack. by law decree 09/05/01 No 269 (Directive R&TTE)
- UNI EN 954-1 (10-1998) (Parts of command system with safety)
- 89/336/CEE art. 4, 10.1& 10.2 attachments 1 & " (Directive EMC)

Standard systems comprise:

- 1 Transmitter with carrying strap, 2 Nimh rechargeable batteries and charger.
- 1 Receiver c/w antennae
- 1 Installation and maintenance instructions
- 1 Certificate of conformity



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