



R&M Materials Handling, Inc.  
 4501 Gateway Boulevard  
 Springfield, Ohio 45502  
 P.: (937) 328-5100  
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### 3 DESCRIPTION

#### 3.1 General

The RADS11, RADF13 and RADH11 push-button transmitter type, radio remote control systems, are designed for the remote control of hoists and cranes, and are particularly suitable for applications when the operator needs to be able to choose the best location from which to carry out an operation.

RADS11 system, colloquially denominated system SINGLE, is made of:

- RAD-TS transmitter
- RAD-RS receiver
- Battery charger BC70K with two NiMH batteries.

RADF13 system, colloquially denominated system FULL, is made of:

- RAD-TF transmitter
- RAD-RF receiver
- Battery charger BC70K with two NiMH batteries.

RADH11 system, colloquially denominated system SINGLE, is made of:

- RAD-TH transmitter
- RAD-RH receiver
- Battery charger BC70K with two NiMH batteries.

#### 3.2 System Specifications

RADS11 / RADF13 / RADH11 Systems		In EU countries	In North America
Frequency band		869.7 to 870MHz	902 to 928MHz
Baud rate		7200 bps	
Channel separation		12.5 KHz	25 KHz
Channel Occupation		7.2 KHz	
Modulation		FM (GMSK)	
Response Time		100 ms	
Temperature range		-20°C to +65°C	-4F to 150F
<b>The RAD-TS, RAD-TF and RAD-TH transmitters</b>			
Transmission power		<5 mW	
Protection		IP65	NEMA 4
<b>The RAD-RS, RAD-RF and RAD-RH receivers</b>			
Power supply		48 Vac, 115 Vac, 230Vac ± 10%, 50/60 Hz	48 Vac, 115 Vac ± 10%, 50/60 Hz
Consumption		30 W	
Relays		230 Vac/8 A	
Protection		IP55	NEMA 12
Communication		CL20mA (RAD-RF only)	
Protection against electric shock		Class II according EN50178 (1997)	
<b>The BC70K battery charger</b>			
Power supply (± 10%)		230 Vac 50/60Hz	115Vac, 50/60 Hz
<b>The BT06K batteries</b>			
Voltage		4.8 V	



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	Capacity	700 mAh, NiMH	
	Charging temperature	5°C to 35°C	41F to 95F
	Operating Time	12h at 50% RAD-TS and RAD-TH model.	
		8h at 50% RAD-TF model.	