



1 Description

The RADS11 (**RaCon II**) and RADF13 (**RaCon II Plus**) 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.

The system consists of a transmitter for selecting commands and a receiver that is connected to the electrical system of the machine to be operated. The system also comes with a battery charger and two rechargeable batteries.

The main specifications for RADS11 / RADF13 systems are:

RADS11 / RADF13 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
The RAD-TS and RAD-TF transmitters			
Transmission power		<5 mW	
Protection		IP65	NEMA 4
The RAD-RS and RAD-RF receivers			
Power supply		48 Vac, 115 Vac, 230 Vac ± 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)	
The BC60K battery charger			
Power supply (± 10%)		230 Vac 50/60Hz	115Vac, 50/60 Hz
The BT06K batteries			
Voltage		4.8 V	
Capacity		700 mAh, NiMH	
Charging temperature		5°C to 35°C	41F to 95F
Operating Time		12h at 50% RAD-TS model.	
		8h at 50% RAD-TF model.	