

# TM70



## CHARACTERISTICS

These systems are based on handheld pushbutton transmitter models with two speeds in each movement to be used with two different receivers: 6 relays output receiver model (in combination with T70/1 transmitter model) and 11 relays output receiver model (in combination with T70/1 transmitter model and T70/2 transmitter model including hoist selector switch 1/1+2/2 as standard option). The radio, integrated in the transmitter and the receiver, is ready to work in different ISM

bands, according to different models: 915MHz (standard) / 870MHz (under demand) / 433Mhz (standard) / 419MHz (under demand). Other specific bands (under demand)

The transmitter uses NiMH rechargeable (re-loadable) battery units.

Focused to industrial standard lifting applications (medium / heavy duty cycle conditions of use):

- Industrial **standard lifting for wire rope and chain hoists** requiring **mandatory Euro-**

**pean safety standard, STOP function category 3** as defined in the standards EN-954-1 or EN 13849-1 (MR06 receiver model)

- Industrial standard lifting EOT cranes; STOP function Category 2 **EN-954-1 or EN 13849 (MR11 receiver model)**



>>> MR06 receiver



>>> MR11 receiver



>>> CB70 battery charger

RECEIVER	R70MR06	R70MR11
Available frequencies (ISM bands)	915MHz (standard)   870MHz (under demand) / 433MHz (standard)   419MHz (under demand)	
Power supply (depending on the model)	24V AC 50/60Hz (+20% / -20% Vin)   48V AC 50/60Hz (+20% / -20% Vin) 115V AC 50/60Hz (+20% / -20% Vin)   230V AC 50/60Hz (+20% / -20% Vin)	
Number of outputs	6 relays of maneuver (3 hoisting + 3 trolley) + K1 safety + <b>2 STOP relays. STOP function Category 3 according with the european safety standards EN-954-1 or EN 13849</b>	11 relays of maneuver (9+2 auxiliares) + Start/Klaxon + 1 STOP relay. STOP function, category 2 EN-954-1 EN-13849
Ingress protection	IP65 / NEMA-4	
Antenna	Printed circuit board integrated (standard).	
Fixed or automatic working channel selection	Automatic at transmitters' startup, conformed by EEPROM	
Weight (battery included)	640 grs.	980 grs.
Dimensions	Length = 151 mm / Wide = 129mm / Height = 61mm	Length = 205mm / Wide = 156mm / Height = 62mm
EEPROM	Plugged EP70	
Status signalling	MultiLED: 7 LED visible externally	
Connexions	Plug-In terminals: inputs/outputs with M20 model output cable gland.	Plug-In terminals: inputs/outputs with M20 model output cable gland.
Maximum current over resistive load	6A	8A
Operating temperature range	-20°C / +70°C (-4°F / 158°F)	
Storage temperature (24h)	-25°C / +75°C (-13°F / 167°F)	
Storage temperature –long periods-	-25°C / +55°C (-13°F / 131°F)	
Consumption (maximum)	10 VA	15 VA
Maneuver's relay characteristics	230v AC / 8A maximum	
STOP relays characteristics	239v AC / 6A maximum	
Electrical standard	Class II EN 50178	
<b>CB70: Battery charger</b>	<b>SPECIFICATIONS</b>	
Power supply (under model)	230V AC 50Hz ± 10% 115V AC 60Hz ± 10%	
Charging type / Battery model automatic identification	<ul style="list-style-type: none"> <li>• Fast charging: maximum 2 hours</li> <li>• Intelligent: it identifies automatically the battery model (voltage and charge)</li> </ul>	
Ingress protection	IP20	
DC voltage range	From 10,5v to 35v	
Protections	Overload and battery's permanent load	
<b>BT06K: NiMH reloadable batteries</b>	<b>SPECIFICATIONS</b>	
Tipo de baterías	NiMH reloadable	
Nominal voltage	4,8v DC	
Battery load capacity	750mA	
Battery life	>8 horas (50% duty cycle)	
Load temperature range	0°C to 45°C	
Unload temperature range	-20°C to +50°C	