

TM70 Ex

ATEX: Zones 1 y 2 / Ex II 2 GD

IECEX: Zones 1 y 2 / IECEX II 2 GD




CHARACTERISTICS


- Available frequency bands: 870/915/MHz.
- BT06K-ATEX NiMH rechargeable batteries.
- New battery charger CB70, with fast (< 2 hours) and intelligent charging mode
- External and extractable SIM module (extractable EP70) to configure easily a spare transmitter providing easy and fast maintenance.
- Main mechanisms:
 - High sensitivity two step push buttons
- Auxiliary mechanisms:
 - 1-0-1 type position selector switches with maintained position or forced return to 0 position (optional)
 - 0-1 type position selector switches with maintained position or forced return to 0 position (optional)
- Easy working frequency channel change and management by software and/or automatic working channel selection
- LBT / Listen Before Talking-
- CAN bus physical layer compatible receiver with CANopen communication protocol; other available communication protocols, IQAN, SAE J1939, Profibus DP and RS-232 / RS-485



>>> Transmitter Mark

 II 2 GD
 Ex ib IIB T4
 Ex ibD 21 T135°C
 CE 0080
 INERIS 08ATEX0006
 IECEx INE 09.0014

>>> Receiver Mark

 II 2 GD
 Ex d ia IIB T5
 Ex tD iaD A21 IP65 T100°C
 R.temp: -20°C + 70°C
 CE 0080
 INERIS 08ATEX 029



>>> TM 70 ATEX Receiver

MAIN CHARACTERISTICS:

TRANSMITTERS CHARACTERISTICS		
Model (Reference)	T70/1/870 ATEX (2800044)	T70/2/870 ATEX (2800045)
	T70/1 915 IECEEx (2800052)	T70/2 915 IECEEx (2800053)
Technical characteristics		
IP / NEMA Ingress protection	IP65 / NEMA-4	
Battery life	>8h (50% duty cycle)	
Operating temperature range	-20°C +70°C	
Battery type / nominal charge	BT06K-ATEX / 500mAh	
Battery charger compatibility	BC70K o CB70	
Orange LED signalling	Replaced by double LED signalling (green + red)	
DLA (display and limit range option)	Not available	
Feedback information option	Not available	
Antenna	Internal	
SIM module –customized operating parameters-	Extractable EP70 EEPROM module	
Maximum number of maneuvers	6 + START + STOP	10 + START + STOP
Weight -including battery-	500 g	600 g
CB70 BATTERY CHARGER TECHNICAL CHARACTERISTICS		
(AC) Power supply	115, 230 Vac ± 10%; 50/60Hz (according to charger model)	
(DC) Power supply	10,5 – 35 Vdc	
Charging mode	Fast (< 2 hours) and intelligent (adapted to each battery model)	
BT06K-ATEX BATTERY TECHNICAL CHARACTERISTICS		
Model	BT06K-ATEX	
Type	NiMH	
Capacity	500 mAh, 4,8 V	
Charging/Discharging temperature range	0 - 70°C	
RECEIVER TECHNICAL SPECIFICATIONS		
References	Models	
2305184	R70/13-ATEX	
2305185	R70/21-ATEX	
RECEIVER TECHNICAL CHARACTERISTICS		
Receiver types	R70/13 ATEX	R70/21 ATEX
(AC) power supply	48,115,230 Vac ± 10%; 50/60Hz	
(DC) power supply	On request	
External	Length = 420mm / Width = 320mm / Height = 250mm	
Weight	20 Kgr.	
Antenna	External (internal antenna isolator included)	
Operating temperature range	-20°C +70°C	
IP / NEMA Ingress protection	IP65 / NEMA-4	
Consumption	12 VA	16VA
Number of outputs –relays-	13	21
Other additional outputs –relays-	START + STOP(2) + SECURITY (KSAFETY)	
STOP function	Category 3, according to EN-954-1 or EN 13849 safety standards	
Maneuvre relay characteristics	230 Vac / 8A ACI	
STOP relay characteristics	230 Vac / 6A ACI	