

ErgoControl

ErgoControl RRC

The ErgoControl RRC is suitable for the use of diesel-powered high-pressure units and has a radio range of up to 300 m. The operating time is up to 8 hours. The intuitive graphical user interface offers maximum ease of use. In addition to displaying the operating parameters and any error messages, it enables bidirectional communication with the high-pressure unit.

The robust and impact-resistant housing design of the control panel offers an emergency stop up to performance level e (PL-e) and can be used in one variant in ATEX areas up to zone 0. With the pluggable transceiver, operation is designed for flexible, device-independent use and can be used worldwide via different radio frequencies.



1 2

1 Transceiver with connection cable

2 Control panel with 2.3" display

Special Benefits

- Simple operation of the high-pressure device via radio
- Bidirectional communication
- Maximum ease of use based on the latest technology
- Operation of the most important functions of the high-pressure units
- Safety relay for emergency stop and for switching the high-pressure operation on and off safely
- Display and change of relevant operating parameters at the control panel
- Robust housing, designed for use in particularly challenging environments
- Simple connection to the high-pressure unit thanks to the robust plug connector and magnet attachment
- Available as an ATEX variant with control panel for potentially explosive areas up to zone 0

Variants		
Model		Standard ATEX
Housing colour control panel		yellow grey
Material number		9.741-284.0 9.741-285.0
Radio frequency ¹⁾		2.4 GHz 433 MHz
Medium radio range in free environment ²⁾	max.	800 m 300 m
in an industrial environment ²⁾	max.	300 m 100 m
Operating time (at 25°C) with activated wireless connection	max.	8 hours
Operating temperature	min. max.	-20 °C +50 °C
Degree of protection		IP65

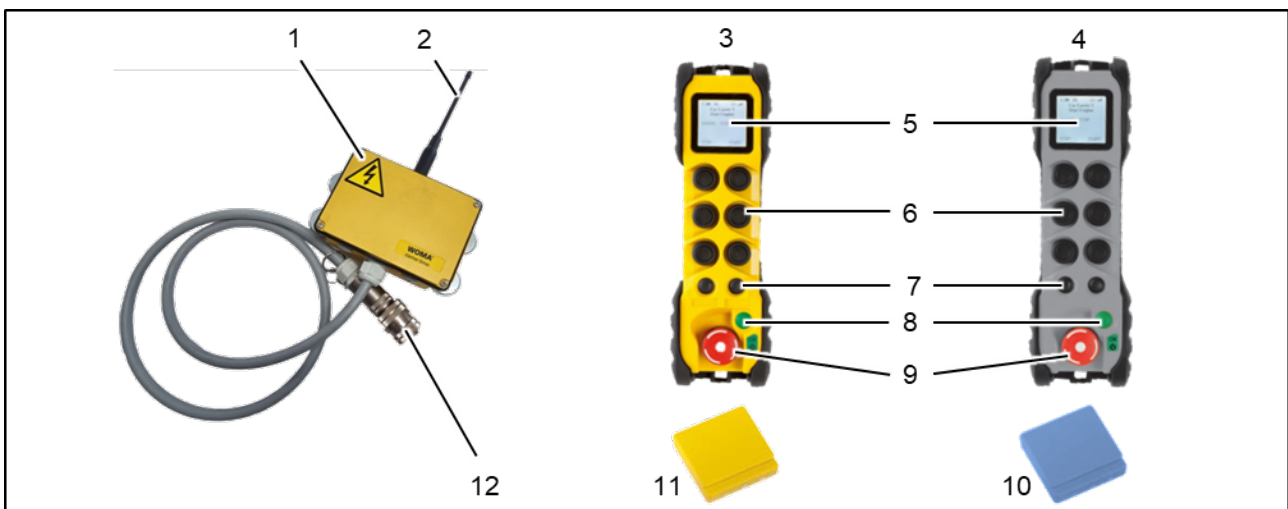
1) Other frequencies on request

2) The range varies depending on the environmental conditions of the keypad and the transceiver antenna (scaffolding, metal walls,...).

Variants		
Model	Standard	ATEX
Display of control panel	128x128 Pixel, black / white 2.3" LCD with backlight	
Weight of control panel approx.	768 g	
Dimensions of control panel approx.	290 x 93 x 64 mm	
Battery of control panel	Li-Ion	
ATEX properties of the control panel	-	Zone: 0, 1, 2, 20, 21, 22 Protection principle: intrinsic safety II 1 G D Ex ia IIB T4 or 145°C Ga ³⁾ Ex ia IIIC T135°C or T145°C Da ³⁾ II 2 G D Ex ia IIC T4 or 145°C Gb ³⁾ Ex ia IIIC T135°C or T145°C Db ³⁾ I M1 Ex ia I Ma LCIE 15 ATEX 3055 X IECEX LCIE 15.0045 X
Scope of delivery	control panel transceiver 2 batteries battery charger power pack for battery charger car adapter for battery charger	

- 3) Temperature classes depending on the ambient temperature:
 -20°C ≤ ambient temperature ≤ +40°C, temperature classes are T4 for gas and T135°C for dust
 +40°C ≤ ambient temperature ≤ +50°C, temperature classes are 145°C for gas and T145°C for dust

Overview



1	Transceiver	7	2 navigation keys
2	Antenna	8	Power on and confirm button
3	Control panel (standard model)	9	Emergency stop safety switch
4	Control panel (ATEX model)	10	Battery for control panel (ATEX model)
5	Display	11	Battery for control panel (standard model)
6	6 function keys	12	Connection high-pressure unit

Accessories



	Designation	Material number
1	Control panel (standard model, 2.4 GHz)	9.741-318.0
2	Control panel (ATEX model, 433 MHz ¹⁾)	9.741-296.0
3	Battery for control panel (standard model)	9.741-302.0
4	Battery for control panel (standard model)	9.741-301.0
5	Carrying strap	6.042-054.0
6	Battery charger with power pack (7) and car adapter (8)	9.741-300.0
7	Power pack 12 V DC, 7 W, 100-240 V AC 50/60 Hz	9.741-298.0
8	Car adapter 12-24V DC	9.741-309.0
9	Transceiver 433 MHz	9.741-294.0
10	Transceiver 2.4 GHz	9.741-292.0
11	Extension cable (5 m) for the transceiver	9.741-662.0
12	Extension cable (30 m) on cable drum for the transceiver	9.741-663.0

1) ATEX marking according to ATEX variant. Components without an ATEX marking must not be used in potentially explosive environments.