








Technical specifications

Standard system												
Frequency band	410 - 470 MHz, other frequencies on request											
Radio standard	Notification in accordance with R&TTE Directive 1999/5/EC EN 300 113, EN 300 220											
Multiplex	Operation of up to 20 vehicles in the same radio space (unidirectional)											
Maximum response time	Operation of a maximum of 10 vehicles in the same radio space (bidirectional) Manual stop = 700ms											
Transmitter												
Housing	High-quality, shatterproof plastic and UV-resistant											
Colour	Yellow											
IP code	IP65											
Weight	Approx. 1,6kg, including battery											
Temperature range operation	-20°C to +70°C; battery -20°C to +45°C											
Transmission capacity	500 mW, SAR in accordance with EC Recommendation 1999 519 EC 07-1999 (EN 62311)											
Operating range	At least 1000m at 500 mW transmission power											
Travelling brake switch	- uniaxial with 5 positions, with/without button SOS setting - uniaxial with 7 positions with/without button - cross gate											
Tested life cycle	All types 3 million switching cycles											
Key switch	On - Off											
Manual stop	Palm button with rotary release											
Control elements	In accordance with customer requirement											
Battery	Quality lithium-ion battery 5200mAh											
												
	 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Lithium-ion battery 5200mAh</td> <td></td> </tr> <tr> <td>Capacity</td> <td>5200mAh</td> </tr> <tr> <td>Autonomy</td> <td>12h</td> </tr> <tr> <td>Charge cycles</td> <td>500</td> </tr> </table>				Lithium-ion battery 5200mAh		Capacity	5200mAh	Autonomy	12h	Charge cycles	500
Lithium-ion battery 5200mAh												
Capacity	5200mAh											
Autonomy	12h											
Charge cycles	500											
Receiver												
	   											
	19" Rack Relay	19" Rack CANopen	Housing IP65	Compact								
IP Code	IP20	IP20	IP65	IP20								
Weight	6,6kg	5,4kg	10,4kg	5,1kg								
Dimensions (L x W x H)	483 x 132 x 235mm	483 x 132 x 235mm	205 x 330 x 428mm	210 x 220 x 130mm								
Interface	Outputs: Relay Inputs: Feedback with digital signals	Outputs: CANopen Inputs: Feedback via CANopen	Outputs: Relay Inputs: Feedback with digital signals	Outputs: CANopen Inputs: Feedback via CANopen								
Temperature range operation	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C								
Supply voltage (Voltage range)	24 VDC (16.8 to 30.0 VDC)	24 VDC (16.8 to 30.0 VDC)	24 VDC (16.8 to 30.0 VDC)	24 VDC (16.8 to 30.0 VDC)								
Antenna	Remote antenna mounted on vehicle	Remote antenna mounted on vehicle	Remote antenna mounted on vehicle	Remote antenna mounted on vehicle								
Supplies												
												
	Without mounting aid	Table mounting	Wall mounting									
Weight	1,3kg	1,6kg	1,9kg									
Dimensions (L x W x H)	150 x 190 x 130mm	142 x 221 x 132mm	167 x 235 x 132mm									
IP code	IP20											
Temperature range operation	-25°C to +70°C											
Supply voltage	24 VDC											



LocControl 100

SIL3 radio remote control system for railway operations with high standards



Innovative technologies
meeting the highest safety requirements

«State of the art» technology and flexible configurability, make the LocControl100 to the SIL3 radio remote control system of choice for railway operations with high standards. LocControl100's flexible concept enables optimal use of existing and future resources, and thereby contributes to significant increase in productivity. Typical applications for the LocControl100 are shunting, flow and crossing operation, during distance trips, or for special vehicles.



LocControl100 is adapted to virtually every locomotive and all infrastructure vehicles

Quality features

- Appraised in accordance with EN 50239 via TÜV Süd Rail GmbH
- Approval type via German Federal Railway Authority (EBA)
- Developed by certified processes in accordance with CENELEC EN 50126, EN 50128, EN 50129

Years	1	2	3	4	5	6	7	8	9	10
Planned maintenance, 3-year check of transmitter and receiver										



Features and services

System properties

The standard system can easily be configured to most locomotives. The customer can prepare his own specific requirement sheet of available functions.



The transmitter user interface

The transmitter user interface displays a vehicle's operations:

- Driving brake switch 1 axis, with 5 or 7 levels, or cross-link and additional option SOS setting – setting with 5 levels
- Switch latching, spring-return with/without mechanical interlock
- Transmitter switch activation by battery insert or key switch
- Displays for feedback on LED and/or LCD
- Integrated or external antenna

Availability by system identification

LocControl100 serves to increase the availability of a flexible identification system. The RFID key contains a programmed code that uniquely belongs to a particular recipient.

In this way

- each transmitter can be assigned a particular configuration for a chosen vehicle
- replacement of a damaged transmitter occurs within seconds

Ergonomics and versatility of the transmitter

- Flexible arrangement of the operating and display elements in accordance with customer requirements
- Protection equipment for preventing unintentional operations
- Ergonomic and fatigue-free operation, light transmitter, 1,6kg including battery
- The carrying harness can be flexibly adjusted to the body, wide straps distribute weight evenly on the body
- Carrying harness battery is interchangeable

