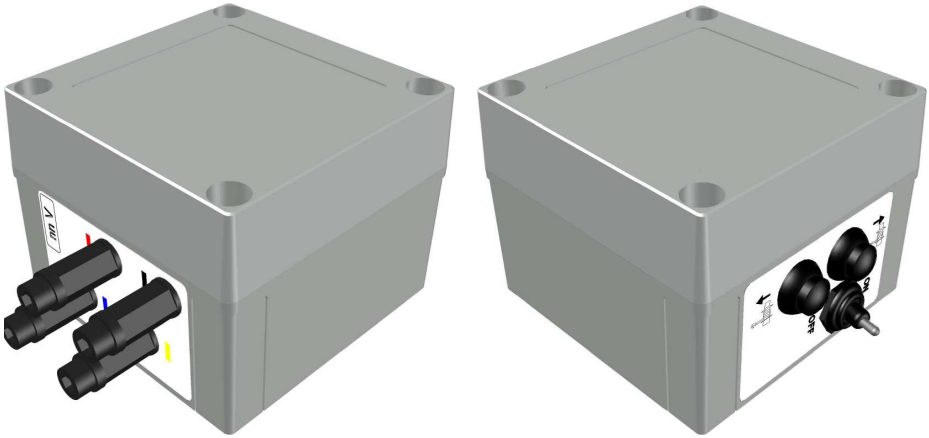




POWERDRIVE

RADIO REMOTE CONTROL 2 OUTPUTS

USER AND MAINTENANCE MANUAL



WARNINGS

This manual is an essential part of the device and it should be thoroughly kept for later consultation. Carefully read the warnings contained in this manual, concerning safety and a proper preservation of the product. These warnings are always to be carefully read before using the device. **SISTEMATICA S.p.A.** declines all responsibility for any trouble arising from the non-compliance with these warnings.

- **DO NOT TRAVEL WITH THE DEVICE SWITCHED ON**
- **CONNECT THE SYSTEM ONLY TO THE VEHICLE'S BATTERY**
- **BEFORE CARRYING OUT ANY MECHANICAL MAINTENANCE OPERATION (WELDING) ON THE VEHICLE, DISCONNECT THE BATTERY CLIPS.**
- **AVOID ATTEMPTING TO REPAIR THE DEVICE BY YOURSELF. REPAIRS PERFORMED BY UNSKILLED PEOPLE CAN CAUSE SERIOUS DAMAGES OR FAILURES. FOR ASSISTANCE, APPLY TO YOUR LOCAL AUTHORIZED SERVICE CENTRE. USE ONLY ORIGINAL SPARE PARTS.**
- **ALWAYS KEEP AT A SAFE DISTANCE FROM THE MOVING PARTS.**



TECHNICAL FEATURES

- Manufacturer: SISTEMATICA S.p.A.
- Dimensions: 100x100x75
- Outputs number: 2
- IP protection: IP66
- Operating temperature: $-20^{\circ}\text{C} \div +70^{\circ}\text{C}$
- Power supply voltage: $12\text{ V} \pm 10\%$
- Power supply voltage: $24\text{ V} \pm 10\%$
- Current consumption (standby): - 18 mA at 12 V
- 14 mA at 24 V
- Protection of battery inversion polarity
- Max current per channel: 5 A
- Max total current: 7,5 A
- Reverse battery protection
- Internal antenna
- Category receiver (EN 300-220-1): 2

SYSTEM CODING

Coding the system is an operation that is only necessary when the receiver has to be replaced or you want to use it with a different SISTEMATICA radio remote control from the one it is coupled with at the time of purchase.

1. For a correct coding procedure, perform the following steps:
2. Disconnect the power to the receiver;
3. Press one pushbutton on the right of the receiver box (figure 1);
4. Put power into the receiver by keeping the pushbutton pressed for 3-4 sec.; so release the pushbutton;
5. Press any 3 keys at the same time on the transmitter within 15 seconds since it has been switched on (also more time if it is necessary);
6. At this time, the transmitter is codified with the receiver; check all the system function by trying the movements of the system;



Figure 1. Pushbutton

POSITIONING OF THE RECEIVER UNIT, RECEIVER DIMENSION

For a proper functioning, locate the receiver type POWERDRIVE with the cable output to the left and the two button to the right, as shown in the picture below:



The receiver is provided with an integrated antenna; be sure to locate it at sight, not inside any metal box or screened by ferrous masses (ex. Protection carter...)

The dimensions of the drilling template are correct only with the box positioned as shown in the figure 2.

EXAMPLE OF POSITIONING OF RECEIVER UNIT

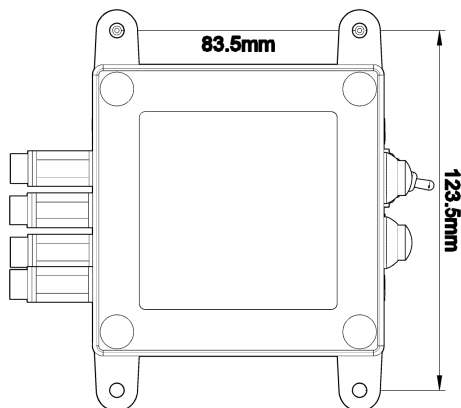


Figura 2. Drilling template

RECEIVER DIMENSION

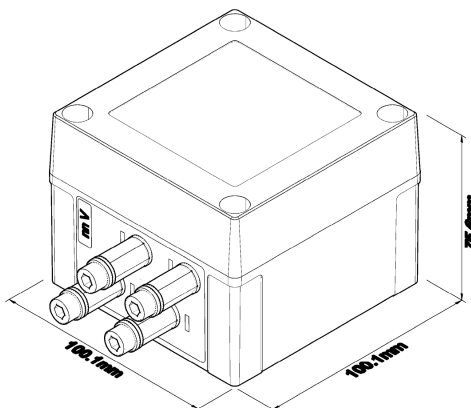


Figura 3. Box dimensions



PRODUCT IDENTIFYING LABELS

Internal Label	External Label	
	12 V	24 V
000000		



Removal of the identifying labels entails lapin of the guarantee conditions and the responsibility of SISTEMATICA S.p.A. with respect to component bodies

PROBLEM IDENTIFICATION AND SOLUTION

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The system does not respond to the controls	Absence of power in the receiver unit	-Check that the emergency mushroom button on the transmitter (if present) is in the release position. -Check that the vehicle batterie is correctly connected to the receiver unit -Check that the fuse inside the receiver unit is intact, and if it is not, replace it (see "FUSE REPLACEMENT")
	Incorrect connection of the cabling to the utilities	-Check the cabling to indicators, electro-valves etc.
	Incorrect installation of the receiver	-The receiver must not be shielded by ferrous masses (see "POSITIONING OF THE RECEIVER UNIT")
	Incorrect replacement of the batteries	-Check that the batteries have been inserted correctly; if necessary replace them (see "REPLACEMENT THE BATTERIES" on the manual of the transmitter combined)
	System not coded	-Re-code the system (vedi "CODIFYING THE SYSTEM")
The GREEN led on the remote control does not light up when a key is pressed	Blown fuse	-Replacement of the fuse on the receiver board (see "FUSE REPLACEMENT")
	Flat batteries	-Replacement of the transmitter batteries (vedi "REPLACEMENT THE BATTERIES" on the manual of the transmitter combined)
The system responds to the controls in a discontinuous way	Batteries almost flat	
	Using the transmitter beyond its maximum range	-Keep to a distance \leq 120m from the receiver
	Connection to the battery and to the utilities made with cables of unsuitable section or lenght	-Check that the connection to the battery and the utilities are made with cables of suitable section and lenght



CE MARK

CE 0051

CE Declaration of conformity for Sistematica S.p.A. products can be required at: info@sistematica.it

ⓘ This product may be subjected to usage restriction. Please contact info@sistematica.it for any further questions.

FCC STATEMENTS

These devices complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

- (1) these devices may not cause harmful interference and
- (2) these devices must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to these equipment. Such modifications could void the user's authority to operate the equipments.

SISTEMATICA S.p.A. Grantee Code: O8I

	SISTEMATICA S.p.A. ((RTX)) Manta - Italy 915.2MHz - 918MHz
POWERDRIVE12 S/N:	000000
Cod.:	nn000RnX.SIS-nn000
12 Vdc	
FCC ID: O8IPOWERDRIVE	10 R-04 0778
<small>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</small>	

POWERDRIVE 12V label example
FCC ID: O8IPOWERDRIVE