

	DATASHEET	DRGPGT003
		V_08 05/04/2017

CUSTOMER: SISTEMATICA S.P.A.	PROT. N.:
14 FUNCTION STANDARD (TX WITH EMERGENCY KEYBOARD)	

KIT	Rev.Index	Date	Description
XKITSE182AXEX	01	18/09/2012	First issue
	02	09/05/2017	Updated document model to V_08

	WRITTEN	VERIFIED	APPROVED
DATE	09/05/2017	09/05/2017	
FUNCTION	Documentation	R&D Manager	
NAME	Quaglia Alessandro	Alberto Massimo	

CUSTOMER VALIDATION	
DATE	
NOTES	

1. Part Numbers

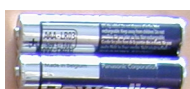
	SISTEMATICA S.p.A. P/N	CUSTOMER P/N
KIT	XKITSE182AXEX	
REMOTE CONTROL	XS141PBSE131X	
POWER SUPPLY (2x)	XBAT020000010	
NECK STRAP	XCOLB00000202	
CRADLE	\	
BATTERY CHARGER	\	
SAFETY POINT PLATE	\	
CONTROLLER	XS182RBSE011X	
WIRING HARNESS	XCBLSE181RFX	
EXTERNAL ANTENNA	\	
EMERGENCY MUSHROOM BOX	\	

This document is property of SISTEMATICA S.p.A. and it cannot be reproduced, used or shared with third party without authorization of SISTEMATICA S.p.A.

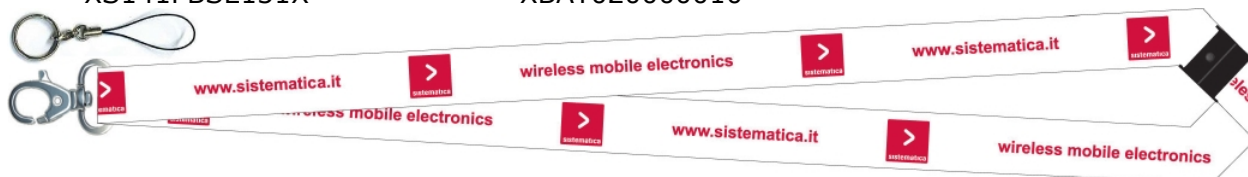
2. Remote Control



PART NUMBER
XS141PBSE131X



PART NUMBER
XBAT020000010



PART NUMBER
XCOLB00000202



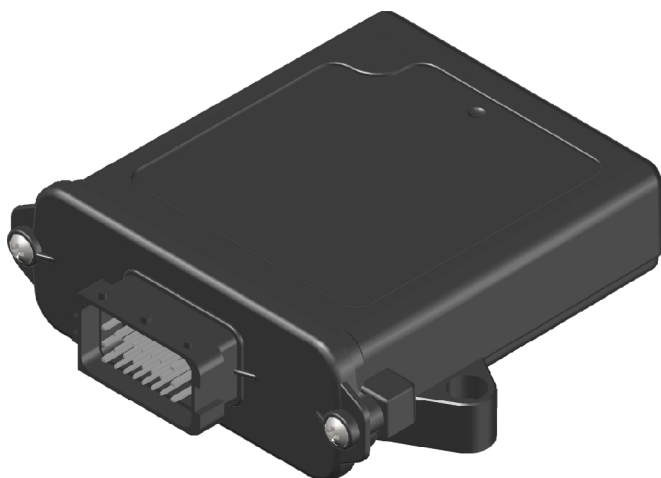
DATASHEET

DRGPGT003

V_08
05/04/2017

FAMILY		NOTES
Nimble	☐	
Nemo	☐	
Rescue	☐	
Lift	☐	
Easy	☐	
Easy B	☐	
Trend	☒	
Trend B	☐	
Ego	☐	
POWER SUPPLY		Supplied as kit (except 12-24 Vdc with cord)
Alkaline 3V 2x1,5 AA	☒	
Alkaline 3V 2x1,5 AAA	☐	
Litio single cell 3.7V	☐	
12-24 Vdc with cord	☐	
COMMUNICATION INTERFACES		
RF 433.2 - 434.6 MHz	☐	
RF 865.4 - 868.2 MHz	☒	
RF 915.2 - 918.0 MHz	☐	
RS485	☐	
RS232	☐	
CAN Bus	☐	
OPTIONS		
Keyboard backlight	☐	
Buzzer	☐	
Emergency mushroom	☒	Only available on Trend and Ego family
Passive SafetyPoint	☐	
Active SafetyPoint	☐	
TiltingHand	☐	
Vibration	☐	
Page shift	☐	
Cradle	☐	Not available on Ego family
Cradle with Safetypoint	☐	Not available on Ego family
Battery charger with integrated alimentation	☐	Only available on Ego family
Battery charger with USB	☐	Only available on Ego family, USB cable included
Standard sticker	☒	
Custom sticker	☐	
Standard keyboard	☒	
Custom keyboard	☐	
Standard neck strap	☒	
Custom neck strap	☐	
COMPLIANCE MARK		
CE	☒	
FCC	☐	
C-Tick	☐	
International Protection	IP67	
NOTES		
The batteries are not installed in the remote control		

3. Controller



PART NUMBER
XS182RBSE011X



DATASHEET

DRGPGT003

V_08
05/04/2017

FAMILY		NOTES
Nimble	☐	
Controller 4	☐	
Controller 8	☐	
Controller 8 B	☐	
Controller 8-AC	☐	
Controller 20	☒	
Controller 20 B	☐	
Controller 32	☐	
Multiout 12	☐	
Radio-Can	☐	
Easy Drive	☐	
POWER SUPPLY		
12-24 Vdc	☒	
12-36 Vac-Vdc	☐	
Other	☐	Vin =
COMMUNICATION INTERFACES		
RF 433.2 - 434.6 MHz	☐	
RF 865.4 - 868.2 MHz	☒	
RF 915.2 - 918.0 MHz	☐	
RS485	☐	
RS232	☐	
CAN Bus	☐	
INPUT-OUTPUT		
Master Output	☒	
Emergency Output	☒	
Proportional Output	☐	
Power output number	14	Max 5 A per output
Digital input number		
Analog input number		Voltage Range in input:
Whole maximum current available on the outputs (A)	20	Fuse rated current (Ampere)
OPTIONS		
Status led	☐	
Emergency keyboard	☐	
External antenna	☐	☐ Stub ☐ Remote, cable length L =
Configuration switch	☐	
Timeout (Tout)	2 min.	
COMPLIANCE MARK		
CE	☒	
FCC	☐	
C-Tick	☐	
E24	☒	
International Protection	IP67	
NOTES		



DATASHEET

DRGPGT003V_08
05/04/2017

3.1 Connections table

PIN	COLOR	TYPE	NAME	FUNCTION
A8	WHITE	O	M.O.	Master Output
A7	GRAY/BLACK	O	E.O.	Emergency Output
B7	BLUE	O	OUT 1	EV 1
C7	BROWN	O	OUT 2	EV 2
A6	GRAY	O	OUT 3	EV 3
B6	VIOLET	O	OUT 4	EV 4
A5	PINK	O	OUT 5	EV 5
B5	ORANGE	O	OUT 6	EV 6
A4	TRANSPARENT	O	OUT 7	EV 7
B4	BEIGE	O	OUT 8	EV 8
C6	BLACK/WHITE	O	OUT 9	EV 9
C5	BLUE/WHITE	O	OUT 10	EV 10
A2	BROWN/WHITE	O	OUT 11	EV 11
A1	GRAY/WHITE	O	OUT 12	EV 12
A3	RED/WHITE	O	OUT 13	EV 13
B3	VIOLET/WHITE	O	OUT 14	EV 14
B8	RED	S	+ ALIM	
B1	BLACK	S	- ALIM	

I: Input

O: Output

P: Proportional output

S: Power supply signals

4. Functions description

DEFINITION:

- **SYSTEM START:** The working session starts by pressing the remote control **START** button. With the SYSTEM START the controller sets up the radio communication with the remote control (CloseLink). Now it is possible to activate all the system functions through the remote control.

If present the **Emergency Output** is switched ON at the SYSTEM START.

- **SYSTEM STOP:** End of the working session. The SYSTEM STOP happens in the following conditions:
 - Pressing the **STOP** button or the **EMERGENCY** button on the remote control or,
 - After Tout minutes in which the remote control stays unused or,
 - If the radio connection (CloseLink) falls down or,
 - Some operation is done through the emergency keyboard (if present).

If present the **Emergency Output** is switched OFF at the SYSTEM STOP.

FUNCTIONS ACTIVATION THROUGH THE REMOTE CONTROL

BUTTON	FUNCTION	CONTROLLER OUTPUT BEHAVIOUR	MODE	S.P.
START	SYSTEM START	E.O. On	-	☐
STOP	SYSTEM STOP	E.O. Off	-	☐
1	EV 1	M.O. + OUT 1	M	☐
2	EV 2	M.O. + OUT 2	M	☐
3	EV 3	M.O. + OUT 3	M	☐
4	EV 4	M.O. + OUT 4	M	☐
5	EV 5	M.O. + OUT 5	M	☐
6	EV 6	M.O. + OUT 6	M	☐
7	EV 7	M.O. + OUT 7	M	☐
8	EV 8	M.O. + OUT 8	M	☐
9	EV 9	M.O. + OUT 9	M	☐
10	EV 10	M.O. + OUT 10	M	☐
11	EV 11	M.O. + OUT 11	M	☐
12	EV 12	M.O. + OUT 12	M	☐
13	EV 13	M.O. + OUT 13	M	☐
14	EV 14	M.O. + OUT 14	M	☐

M: MAINTAINED function. As long as the user holds the button pressed, the correspondent output on the controller stays on. It will be switched off as soon as the user releases the button.

L: LATCHED function (or ON/OFF). The controller output stays on when the button is released. It will be switched off with the next pression of the same button.

S.P.: SafetyPoint related function. In order to enable this function the remote control must be placed close to the SafetyPoint Plate.

With this system it is possible to activate two outputs simultaneously as described in the following table:

Y: possible N: not possible

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	\	N	N	N	N	N	N	N	N	N	N	N	N	N
2	N	\	N	N	N	N	N	N	N	N	N	N	N	N
3	N	N	\	N	N	N	N	N	N	N	N	N	N	N
4	N	N	N	\	N	N	N	N	N	N	N	N	N	N
5	N	N	N	N	\	N	N	N	N	N	N	N	N	N
6	N	N	N	N	N	\	N	N	N	N	N	N	N	N
7	N	N	N	N	N	N	\	N	N	N	N	N	N	N
8	N	N	N	N	N	N	N	\	N	N	N	N	N	N
9	N	N	N	N	N	N	N	N	\	N	N	N	N	N
10	N	N	N	N	N	N	N	N	N	\	N	N	N	N
11	N	N	N	N	N	N	N	N	N	N	\	N	N	N
12	N	N	N	N	N	N	N	N	N	N	N	\	N	N
13	N	N	N	N	N	N	N	N	N	N	N	N	\	N
14	N	N	N	N	N	N	N	N	N	N	N	N	N	\

5. Wiring harness

