



CLASSIC LINE



sistematica

Handhelds

MOLDED in a special material that makes handhelds resistant to impacts, the ERGONOMIC rubber shell allows for a more solid and durable grip. Serigraphs change depending on the application and are CUSTOMIZABLE with logos or symbols. SAFETY options can be combined with solutions

ranging from the use of a WIRED remote, limiting the operator's maneuvering space, to SafetyPoint technology, which limits the position, to the insertion of an E-STOP button. The 0.39 inch diameter keys are easy to identify by touch and the backlit keypad is ideal in situations of poor visibility.



SIGNAL

Unlike other WIRED remotes, which connect to the vehicle's utilities, the SIGNAL handheld interacts with the Customer's electronics, which connect to the utilities.

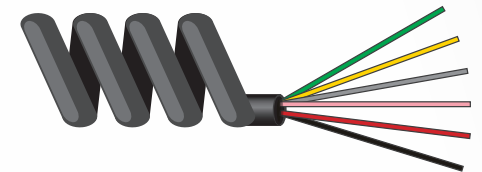
The black serigraph highlights standard backlighting. It is equipped with cut-resistant PUR spiral wiring with 6-wire stripped termination, 23.62 inches long and extendable up to about 78.74 inches.



TECHNICAL FEATURES

KEYS	up to 4
DIMENSIONS (H x W x D)	4.29 x 2.20 x 1.18 in
POWER SUPPLY	10 - 30 Vdc \pm 10%
MAXIMUM CURRENT PER OUTPUT	100 mA
MAXIMUM TOTAL CURRENT	150 mA
OPERATING TEMPERATURE	from -4°F to +131°F

Maximum cable configuration



BRAVO

WIRED remote with standard backlit keypad. It is equipped with 3 LEDs that signal the presence of power (■N green LED), digital input (⇒■ red LED), and extra-current anomaly (▲■ yellow LED). The integration of freewheeling diodes on the outputs makes the device particularly suitable for directly driving inductive loads such as solenoid valves.

It does not require a controller as it connects to the vehicle via the 23.62 inches 7-wire spiral cable, which can be extended up to 6 feet 6.74 inches.

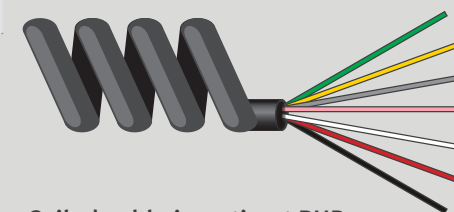


TECHNICAL FEATURES

KEYS	up to 4 + START/STOP)
DIMENSIONS (H x W x D)	4.29 x 2.20 x 1.18 in
POWER SUPPLY	10 - 30 Vdc ± 10%
MAXIMUM CURRENT PER OUTPUT	4A
MAXIMUM TOTAL CURRENT	8A
OPERATING TEMPERATURE	from -4°F to +131°F

STANDARD CONFIGURATIONS

2 KEYS	4 KEYS
2 OUTPUTS	4 OUTPUTS
1 INPUT	1 INPUT



Coiled cable in anti-cut PUR and stripped termination

WIRED



BLAZE

The backlit keypad has 8 function keys and a 2-foot 10-wire standard spiral cable that extends up to 4 feet. It can also be equipped with an E-STOP and has 4 LEDs that signal the presence of power (ON green LED), the digital input (⇒ red LED), a generic anomaly (▲ yellow LED) and a white LED that starts flashing from when START is pressed until the end of the activity.

TECHNICAL FEATURES

KEYS	8 + START/STOP
DIMENSIONS (H x W x D)	6.49 in x 3.14 x 1.57 in 7.08 x 3.14 x 1.57 in (with E-STOP)
POWER SUPPLY	10 - 30 Vdc ± 10%
MAXIMUM CURRENT PER OUTPUT	3A
MAXIMUM TOTAL CURRENT	6A
OPERATING TEMPERATURE	from -4°F to +131°F

STANDARD CONFIGURATIONS

8 OUTPUTS

1 INPUT
! trading 1 OUTPUT

! The emergency button is an option



CANWIRE

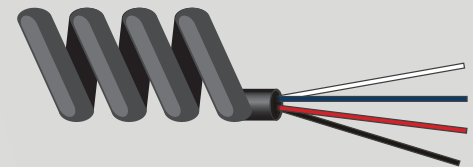
CANBUS wired control (proprietary or J1939 standard), equipped with cut-resistant PUR spiral wiring with 4-wire stripped termination according to the needs of the application, 23.62 inches long and extendable up to up to 6 feet 6.74 inches. It is also possible to connect it to a receiver (TBD in the design phase).



TECHNICAL FEATURES		
KEYS		up to 14 + START/STOP (max 4 CHANGE PAGE)
DIMENSIONS (H x W x D)	EASYCAN	4.29 x 2.20 x 1.18 in 4.80 x 2.20 x 1.69 in (with E-STOP)
	TRENDSCAN	6.49 x 3.14 x 1.57 in 7.08 x 3.14 x 1.57 in (with E-STOP)
POWER SUPPLY		10 - 30 Vdc ± 10%
OPERATING TEMPERATURE		from -4°F to +131°F



Maximum cable configuration



! The emergency button is an option

POCKETSIZE

NIMBLE

Radio control with 2-function keypad, customizable with numbers or arrows. Two standard LEDs indicate low battery and the presence of radio transmission. Only combines with a CNTR4 controller.



TECHNICAL FEATURES

KEYS	2 + START/STOP
ISM FREQUENCY	ISM 868 / 915 / 433 MHz
POWER	2 AAA 1.5V alkaline batteries
STAND-BY ABSORPTION	approximately 5 μ A
AVERAGE ABSORPTION DURING TRANSMISSION	25 mA
OPERATING TEMPERATURE	from -4°F to +131°F
DIMENSIONS (H X W X D)	4.29 x 2.20 x 1.18 in



EASY

Radio control up to 6 keys with a customizable keypad (choosing between numbers, arrows or symbols). Equipped with LEDs indicating battery, presence of radio transmission, and any SafetyPoint. Twilight sensor is standard.



TECHNICAL FEATURES

KEYS	Up to 6 + START/STOP
ISM FREQUENCY	868 / 915 / 433 MHz
POWER	* 2 AAA 1.5V alkaline batteries
STAND-BY ABSORPTION	approximately 5 μ A
AVERAGE ABSORPTION DURING TRANSMISSION	25 mA
OPERATING TEMPERATURE	from -4°F to +131°F
DIMENSIONS (H X W X D)	4.29 x 2.20 x 1.18 in 4.8 x 2.2 x 1.69 in (with E-STOP)



The emergency button and/or charging station* with specific batteries, are 'kits' ON DEMAND



VERSATILE



TREND

This remote control can have up to 14 keys: its versatility consists in being able to manage, via the PAGE CHANGE function, up to 56 commands (max 4 pages). LEDs indicate battery, presence of radio transmission and possible SafetyPoint. Twilight sensor is standard.

TECHNICAL FEATURES

KEYS	up to 14 + START/STOP
ISM FREQUENCY	868 / 915 / 433 MHz
POWER	* 2 AA 1.5V alkaline batteries
STAND-BY ABSORPTION	approximately 10 µA
AVERAGE ABSORPTION DURING TRANSMISSION	30 mA
OPERATING TEMPERATURE	from -4°F to +131°F
DIMENSIONS (H X W X D)	6.49 x 3.14 x 1.57 in 7.08 x 3.14 x 1.57 in (with E-STOP)



The emergency button and/or charging station* with specific batteries, are 'kits' ON DEMAND



EGO

The EGO is a fully programmable remote control with a graphic LCD screen and customizable keypads. The batteries are recharged via a specific station/support supplied as standard in its 'kit'.



TECHNICAL FEATURES

COMMANDS	Customizable
ISM FREQUENCY	ISM 868 / 915 / 433 MHz
POWER SUPPLY	LI-PO battery 3.7Vdc
STAND-BY ABSORPTION	approximately 150 μ A
AVERAGE ABSORPTION DURING TRANSMISSION	120 mA
OPERATING TEMPERATURE	from -4°F to +131°F
DIMENSIONS (H X W X D)	7.08 x 3.14 x 1.57in with E-STOP



Receivers

Mounted and connected to the machine/vehicle via a standard 7-12-17-25 or 40 wire plug-in harness, each controller also has a unique code defined at the source which prevents interaction with other

systems (multiple devices can operate in the same area without interfering with each other). All Sitematica receivers manage AUTOMATIC PAIRING with the handheld.

The Light Guide is an option

The connector is equipped with a retaining slide which ensures quick and easy installation or maintenance operations. On-demand, the connector can be resin-coated for greater waterproofing

The standard cable is 3.28 feet long and pre-wired with a 24 or 56-pin SICMA connector



CNTR4

This controller features a built-in external antenna and a 1.5-meter long wiring with out end connector (free wires). Ideal for all radio control models with up to 4 keys for simple movements. Its fully resin-coated electronic board makes it impervious to liquids and dust.



TECHNICAL FEATURES

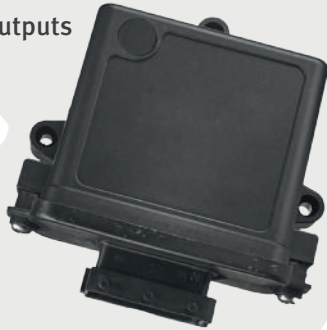
ISM FREQUENCY	868 / 915 / 433 MHz
PROTECTION RATING	IP69K
SUPPLY VOLTAGE	10 - 30 Vdc \pm 10%
MAXIMUM CURRENT PER OUTPUT	5A
MAXIMUM TOTAL CURRENT	7A
OPERATING TEMPERATURE	from -4°F to +131°F
DIMENSIONS (ANTENNA EXCLUDED)	2.28 x 3.14 x 0.86 in



! also available with 2 buttons for direct control of the functions

CNTR8

Controller with up to 8 outputs plus a digital input. Integrated antenna



CNTR20

Controller with up to 20 outputs, 8 of which are reversible and configurable as digital inputs (trading related outputs). Integrated antenna



TECHNICAL FEATURES

OUTPUTS	8
DIGITAL INPUTS	1
ISM FREQUENCY	868 / 915 / 433 MHz
PROTECTION RATING	IP67
SUPPLY VOLTAGE	10 - 30 Vdc ± 10%
OPERATING TEMPERATURE	from -4°F to +131°F
MAXIMUM CURRENT PER OUTPUT	5A
MAXIMUM TOTAL CURRENT	10A
DIMENSIONS (H x W x D)	4.25 x 4.33 x 1.73 in

TECHNICAL FEATURES

OUTPUTS	20
DIGITAL INPUTS	8 (trading related outputs)
PROPORTIONAL OUTPUTS	1 (trading 2 outputs)
CANBUS	1 (trading 2 outputs)
ISM FREQUENCY	868 / 915 / 433 MHz
PROTECTION RATING	IP67
SUPPLY VOLTAGE	10 - 30 Vdc ± 10%
OPERATING TEMPERATURE	from -4°F to +131°F
MAXIMUM CURRENT PER OUTPUT	5A
MAXIMUM TOTAL CURRENT	20A
DIMENSIONS (H x W x D)	5.23 x 6.06 x 1.73 in

CNTR32

Controller with external antenna, standard light guide, up to 32 outputs (one of which is proportional), 4 digital inputs and a 40-conductor cable wiring.



TECHNICAL FEATURES

OUTPUTS	32
DIGITAL INPUTS	4
PROPORTIONAL OUTPUTS	1 (trading 2 outputs)
CANBUS	1
ISM FREQUENCY	868 / 915 / 433 MHz
PROTECTION RATING	IP67
SUPPLY VOLTAGE	10 - 30 Vdc \pm 10%
OPERATING TEMPERATURE	from -4°F to +131°F
MAXIMUM CURRENT PER OUTPUT	5A
MAXIMUM TOTAL CURRENT	20A
DIMENSIONS (H x W x D)	7.16 x 5.47 x 1.49 in

RADIOCAN

It receives radio signal from a handheld device and transfers the information via CANBUS (J1939 or CUSTOM) bidirectionally to an external device (ECU, PLC, etc). The 4-pole M12 male connector is standard.

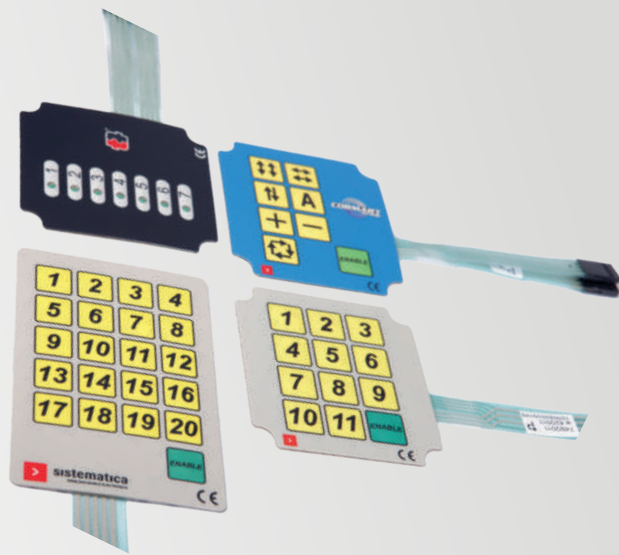


Options

Sistematica products can be equipped with options of your choice according to needs. The safety collar, serigraph keypad and keys can all be customized through colours, logos, pictograms or symbols (handhelds and receivers).

The LIGHT GUIDE is also available on CNTR8 and CNTR20 on demand, as is the backlit keypad on handhelds. Furthermore, BUZZER or VIBRACALL can be activated on the remotes, one as an alternative to the other.





EMERGENCY KEYBOARD (IP65)

Available only on CNTR8 and CNTR20 receivers, it allows to operate when it is not possible to use the handheld (flat batteries or loss). This manual control allows the device to be used alone in applications where a wireless device is not permitted. Serigraphs can be customized through colours, logos and symbols.



EXTERNAL ANTENNA

The external antenna has the function of increasing reception capacity of the receiver in cases where the latter must be mounted in non-ideal positions. It connects via an SMA screw connector (stub or coaxial cable). The material necessary for fixing is supplied with the kit.



TILTING HAND

Receivers may control an output proportionally. To increase the speed of movement relating to the pressed key, it is necessary to tilt the handheld either left or right by rotating the wrist while holding the button on the handheld down.

The system is supplied with default proportional solenoid valve values (customizable with specifications on request).

SAFETYPOINT (on handhelds)

This technology reduces risk of accidents since the remote control equipped with SafetyPoint™ activates commands bound to the safety function only if it is near a SafetyPointPlate, which can be also applied directly to the handheld's support (CRADLE).




EMERGENCY BUTTON (IP65)

Also called E-STOP, it is an option for all SISTEMATICA handheld models. The yellow protective crown is molded in a material particularly resistant to possible impacts.

› By pressing the red button, the receiver turns off, thus resetting all outputs. To reactivate the system it will therefore be necessary to release it with a rotary movement and only after press START.

E-STOP precludes the SafetyPoint option.



 The EGO charger is standard and is supplied in the 'kit' with a micro USB cable

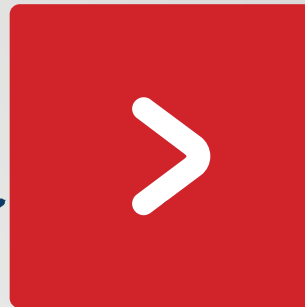




CRADLE WITH CHARGING STATION

The generic handheld holder is now available ON DEMAND also as a charging station with USB cable type C. It is supplied in a 'kit' with specific batteries for TREND and EASY radio controls.





sistemática

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