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Catalog/Pricelist
2024-01-29
Page 1/13

HOME AUTOMATION SYSTEMS - Modules for Domoticz, Home Assistant, Node-RED...

Creasol DomESP1

Electronic board (without case) for NodeMCU ESP8266 board, 900mil pitch

This board make easier to use ESP8266 WiFi microcomputer. Can be supplied from 8 to 25Vdc, integrates a high efficient switching mode regulator with 5Vdc output, also available on terminal block. The board has 4 relays (250V 5A switch capacity), 1 solid state relay output (60V 100mA), 2 high power mosfets 30V 12A (for led stripe dimming), I²C bus circuitry (SDA+SCL), 1wire sensors circuitry, 3 I/sO (can be used with some limitations) and 1 analog input.
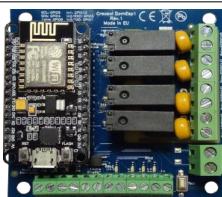
Can be used together with ESP8266 MCU board, programmed with EasyESP firmware, to communicate to a Domoticz controller, extending the I/O and sensors attached to Domoticz. More info at https://www.creasol.it/DomESP1

70x70x17 61g

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			33,00 EUR + VAT

Creasol DomESP1+ESP8266 module

Electronic board (without case) with NodeMCU ESP8266 module, ready to be used, already programmed with ESPEasy firmware.

Creasol DomESP1 board (see above) completed with ESP8266 board, already programmed and ready to useThis board make easier to use ESP8266 WiFi microcomputer. Can be supplied from 8 to 25Vdc, integrates a low power dissipation switching mode power with 5Vdc output terminal block, 4 relays (250V 5A switch capacity), 1 solid state relay output (60V 100mA), I²C bus circuitry (SDA+SCL), 1wire sensors circuitry, 3 I/O (can be used with some limitations) and 1 analog input.

Can be used to extend I/O and sensors attached to a Domoticz controller. More info at https://www.creasol.it/DomESP1

70x70x20 65g

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			39,00 EUR + VAT

Creasol DomESP2

Electronic board (without case) for NodeMCU ESP8266 board, 900mil pitch

Exactly as DomESP1, but with plugin terminal blocks.

This board make easier to use ESP8266 WiFi microcomputer. Can be supplied from 8 to 25Vdc, integrates a high efficient switching mode regulator with 5Vdc output, also available on terminal block. The board has 4 relays (250V 5A switch capacity), 1 solid state relay output (60V 100mA), 2 high power mosfets 30V 12A (for led stripe dimming), I²C bus circuitry (SDA+SCL), 1wire sensors circuitry, 3 I/sO (can be used with some limitations) and 1 analog input.

Can be used together with ESP8266 MCU board, programmed with EasyESP firmware, to communicate to a Domoticz controller, extending the I/O and sensors attached to Domoticz. More info at https://www.creasol.it/DomESP1

70x70x20 71g

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			37,00 EUR + VAT

Creasol DomRelay2

2 relays module

Compact module, 43x24x25mm, within **2 relays with 12V 200mW coil, 250V 5A SPST contact** with special material designed to **prevent contact welding** due to excessively high surge current load (capacitive loads or tungsten lamps).

Contacts are **protected from overvoltage** by metal oxide varistors; coils are protected from overvoltage by free-wheeling diodes.
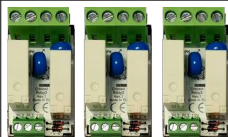
More info at https://www.creasol.it/DomRelay2

43x24x25 19g

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			14,50 EUR + VAT

Creasol DomRelay2x3

2 relays module - Clamshell within 3 modules

Compact module, 43x24x25mm, within **2 relays with 12V 200mW coil, 250V 5A SPST contact** with special material designed to **prevent contact welding** due to excessively high surge current load (capacitive loads or tungsten lamps).

Contacts are **protected from overvoltage** by metal oxide varistors; coils are protected from overvoltage by free-wheeling diodes.

More info at https://www.creasol.it/DomRelay2

43x24x25 19g/each

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			36,00 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 2/13

Creasol DomBus1

Electronic device for Domoticz home automation systems

DomBus1 is an optimized low-power device that can be attached to a Domoticz controller (Raspberry or other hardware) by RS485 serial bus, 115200bps, so with a 4-wires cable it's possible to connect and supply all devices.

Each DomBus1 device has an address that can be changed by Domoticz, so it's possible to create a network of DomBus devices to manage inputs, outputs and sensors.

Switching mode power supply unit, converting 8-25Vdc input voltage to 5V and reducing power dissipation/consumption.

2 relay outputs (250V 5A switch capability with non-inductive load)

1 230V AC input (with optocoupler), suitable to sense AC voltage.

6 inputs with internal pull-up to 5V.

Low current consumptionin standby: typically 6mA @5Vdc, 3mA @12Vdc, 2mA @24Vdc

Domoticz automatically recognize new DomBus attached to the RS485 bus when one input change state, and add the corresponding I/Os automatically to Domoticz switches panel

Easy way to configure I/O using the switch description (e.g. configure an output as normal or low power relay, normally open or closed, or configure an input as digital normally open or closed, or analog, ...)

More info at https://www.creasol.it/DomBus1

74x72x24 60g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			34,00 EUR + VAT

Creasol DomBusTH

Electronic board for Domoticz home automation systems

DomBusTH is an optimized low-power device that can be attached to a domoticc controller (Domoticz, ...) by RS485 serial bus, 115200bps, so with a common 4-wires alarm cable it's possible to connect and supply all devices. Easy way to configure I/O by Domoticz web panel.

It's provided with a 10 wire assembly cable with plugin connector, to permit easy connection of the bus and I/Os to the electric system.

Features
- **1 temperature sensor**, factory calibrated with a precisoin of +/- 0.3°C
- **1 relative humidity sensor**, factory calibrated with a precison of +/- 2%RH
- **1 touch sensor**, permitting to use the device also as a touch button/switch
- **4 wires** that can be configured as **digital inputs, analog inputs, 1mA digital outputs and buzzer**
- **2 open-drain outputs with 40V 100mA** capability, that can be used to control **external relays, electronic boards inputs** with pullup, **small LEDs** (DomBusTH includes the **dimmer** function)
- **1 analog input** that measure the voltage on bus
- **1 red LED, 1 green LED, 1 white LED** with 700 mcd luminous intensity: LEDs can be switched ON/OFF or transmit pulses to show device state;
- 7.5-35Vdc power supply (internally regulated by a switching mode power supply circuitry that minimize power consumption and dissipation)
- **DCMD** commands (sent between modules when an event occurr, simplifing automations and adding reliability), for DomBus firmware version only

More info at https://www.creasol.it/DomBusTH

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			37,00 EUR + VAT

Creasol DomBus12

Electronic device for Domoticz home automation systems

Creasol DomBus12 is a compact module, 40x30x11mm, **with 9 configurable inputs/outputs**.

It can be connected to the Domoticz controller by a RS485 serial bus (4 wires, 2 for 12/24V power supply, and 2 for data at 115200bps).

As other DomBus devices, **DomBus12 is designed to consume low power, be reliable, fully configurable and easy to use**.

Features
- **4 configurable I/O**s, each one can be set as **analog/digital input, twinbutton input, counter input** (useful to interface a energy meter, gas meter or water meter with pulsed outputs), **digital output** (can be connected to external relay board within relay driver)
- **2 configurable I/O**s, each one can be set as **open-drain output** (to be connected to external relay), **analog/digital input**, **blind output** (to be connected to external relay), **LED strip dimmer**
- **3 configurable I/O**s, each one can be set as **analog/digital inputs, buzzer outputs, blind outputs** (to be connected to external relay board), **LED strip dimmer** (to be connected to external mosfet)
- 7.5-35Vdc power supply (internally regulated by a switching mode power supply circuitry that minimize power consumption and dissipation)
- low power consumption: less than 10mW standby
- 115200 bps RS485 bus (max length: 1km)
- **DCMD** commands (sent between modules when an event occurr, simplifing automations and adding reliability), for DomBus firmware version only

More info at https://www.creasol.it/DomBus12

40x30x11 25g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			32,00 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 3/13

Creasol DomBus23

Creasol DomBus23 is a module for home automation system **with several different kind of inputs/outputs** in a short size: 74x73x24mm.

It can be connected to the Domoticz controller by a RS485 serial bus (4 wires, 2 for 12/24V power supply, and 2 for data at 115200bps).

As other DomBus devices, **DomBus23 is designed to consume low power, be reliable, fully configurable and easy to use**.

Features
- **2 SPST relay** outputs, 250V 5A, that can be configured in low power mode to minimize power consumption (less than 70mW/relay, instead of 200mW/relay) and in OUT_BLIND mode to drive a roller shutter motor
- **1 mosfet output**, 30V 10A max, with **both digital and dimmer functions**, that can be used to drive **led stripe regulating the brightness**
- **2 0-10V analog output** (can be used to control other electronic boards with 0-10V input, like dimmers): each one can be configured as **open-drain output (available through the optional cable)** in case that 0-10V analog output is useless
- **2 I/O lines**, each one can be configured as digital input, analog input, twinbutton, counter input (useful to interface a energy meter, gas meter or water meter with pulsed outputs), digital output, blind, dimmer and buzzer
- **2 low voltage AC/DC opto-isolated inputs**, 12-24V
- **1 230V AC opto-isolated input**
- 7.5-35Vdc power supply (internally regulated by a switching mode power supply circuitry that minimize power consumption and dissipation)
- low power consumption: **less than 10mW stand-by**
- 115200 bps RS485 bus (max length: 1km)
- **DCMD** commands (sent between modules when an event occurr, simplifing automations and adding reliability), for DomBus firmware version only

More info at https://www.creasol.it/DomBus23

74x73x24 80g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			54,00 EUR + VAT

Creasol DomBus31

Creasol DomBus31 is a din-rail relay module with 8 relays outputs.

2 versions available: DomBus (for Domoticz) and Modbus protocols (for Node-RED, Home Assistant, OpenHAB, IObroker, ...)

Features
- **6 relay outputs, SPST** (normally open contact on screw terminal block) with **250Vac/30Vdc 5A** contact (max 30Vdc in case of DC load, 250Vac in case of AC load).
- **2 relay outputs, SPDT** (normally open and normally closed contacts on screw terminal block) with **250V 10A** contacts.
- 8-35Vdc power supply (internally regulated by a switching mode power supply circuitry that minimize power consumption and dissipation).
- low power consumption: **less than 10mW stand-by, less tha 600mW with all 8 relays ON**.
- 115200 bps RS485 bus (max length: 1km).
- **DCMD** commands (sent between modules when an event occurr, simplifing automations and adding reliability), for DomBus firmware version only

More info at https://www.creasol.it/DomBus31

115x99x40 120g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			51,00 EUR + VAT

Creasol DomBus32

DomBus32 is a **DIN-RAIL module, 54mm wide,** with **3 relay outputs**, **3 AC inputs** and **5 low-voltage I/Os**.

2 versions available: DomBus (for Domoticz) and Modbus protocols (for Node-RED, Home Assistant, OpenHAB, IObroker, ...)

Features
- **3 relay outputs**, 250Vac 5A max, with overvoltage protection (varistors)
- **3 AC inputs**, 110-230V, to monitor voltage on loads
- **1 common terminal block** (for Neutral, Line or common voltage), to simplify connections
- **5 programmable low-voltage I/Os**
- **DCMD** supports (DomBus firmware only): **permits to get easy automations without writing a line of code, and command exchanged between DomBus modules even in case that domotic controller is stopped**. For example configuring a pushbutton input port as
  DCMD(Pulse)=11.3:Toggle, DCMD(Pulse1)=0.7:Toggle, DCMD(Pulse2)=0.8:On
  it's possible:
  * with a short 0.5s pulse, toggles on/off port #3 output of DomBus module #11
  * with a 1s pulse, toggle on/off a group of switches on the controller
  * with a 2s long pulse, activate a scene that, for example, disable all lights/loads and activate the alarm system (useful when leaving the building)

More info at https://www.creasol.it/DomBus32

53x89x65 110g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			48,00 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 4/13

Creasol DomBus33

DomBus33 is a **DIN-RAIL module, 54mm wide,** with **3 relay outputs**, **3 AC inputs** and **5 low-voltage I/Os.**

2 versions available: DomBus (for Domoticz) and Modbus protocols (for Node-RED, Home Assistant, OpenHAB, IObroker, ...)

Hardware is the same as DomBus33, but **firmware is designed for existing light systems using 230V pushbutton to toggle step-by-step relay**: in this case the device can monitor the status of a light, and **switching a light-status from the domotic controller leads to a 0.25ms activation of the corresponding relay that toggles the associated step relay.**

More info at https://www.creasol.it/DomBus33

53x89x65 110g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			51,00 EUR + VAT

Creasol DomBus36

Creasol DomBus36 is a din-rail relay industrial-grade module for building automations and home automation systems, 115x90x40mm, **with 12 relays outputs,** SPST (Normally Open outputs) with 250V 5A max capability, divided in 3 groups of 4 relays, each group with a 5-position screw terminal blocks: 1 common + 4 outputs. **2 versions available: DomBus (for Domoticz) and Modbus protocols (for Node-RED, Home Assistant, OpenHAB, IObroker, ...)**

Features
- available in two firmware version, *DomBus* suitable for Domoticz controller, and *Modbus* suitable for any industrial and home automation system.
- **12 relay outputs, SPST** (normally open contact on screw terminal block) with **250Vac/30Vdc 5A** contact (max 30Vdc in case of DC load, 250Vac in case of AC load).
- **easy wiring**: relays are divided in 3 groups, **each group share a common with the 4 relays in that group**.
- each relay block respects the creepage distance from other blocks. **Do not mix high and low voltage signals inside the same block!**
- 8-35Vdc power supply (internally regulated by a switching mode power supply circuitry that minimize power consumption and dissipation).
- low power consumption: 0.9mA @12V **(12mW) stand-by** current with all relays OFF, and 55mA @12V (<**750mW**) with **all relays ON**.
- 115200 bps RS485 bus (max length: 1km), 8 bit data, no parity, 1 stop bit. Bitrate and parity may be changed in the Modbus version.
- **DCMD** commands (sent between modules when an event occurr, simplifing automations and adding reliability), for DomBus firmware version only

More info at https://www.creasol.it/DomBus36

115x99x40 140g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			62,00 EUR + VAT

Creasol DomBus37

Creasol DomBus37 is a din-rail relay industrial-grade module for building automations and home automation systems, 115x90x40mm, **with 12 low voltage inputs, 3 230Vac optoisolated inputs, 3 SPST relays.**

Features
- available in two firmware version, *DomBus* suitable for Domoticz controller, and *Modbus* suitable for any industrial and home automation system.
- **12 inputs**, each one configurable as digital pullhigh, digital pulldown, analog, NTC temperature sensor, counter.
- **3 optoisolated input**, 100-250Vac
- **2 relay outputs, SPST** (normally open contact on screw terminal block) with **5A** contact, max 30Vdc in case of DC load, 250Vac in case of AC load.
- **1 relay output, SPST** (normally open contact on screw terminal block) with **10A** contact, max 30Vdc in case of DC load, 250Vac in case of AC load.
- 8-35Vdc power supply (internally regulated by a switching mode power supply circuitry that minimize power consumption and dissipation).
- low power consumption: 0.9mA @12V **(12mW) stand-by** current with all relays OFF.
- 115200 bps RS485 bus (max length: 1km), 8 bit data, no parity, 1 stop bit. Bitrate and parity may be changed in the Modbus version.
- **DCMD** commands (sent between modules when an event occurr, simplifing automations and adding reliability), for DomBus firmware version only

More info at https://www.creasol.it/DomBus37

115x99x40 140g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			64,00 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 5/13

Creasol DomBusEVSE

Creasol DomBusEVSE is a fully tested DIN rail module, designed for Domoticz home automation system, to **charge electric vehicles using the standard** IEC 62196-2 **Mode3** (AC charge, up to 22kW power).

It works as *stand-alone* (without any domotic controller) or in *managed mode* (charging current controlled by Domoticz).

Features

* **Manages up to 4 Modbus energy meters** DDS238-2 ZN/S, one to measure the charging power/energy, one to measure the power/energy exchanged with the electricity grid. Can also be connected to other 2 energy meters to monitor other loads/circuits, if needed (heat pump, kitchen, ...). Get **accurate statistics and charts** about energy used to charge the electric vehicle and energy exchanged with the grid.
* Controls an external 2P or 4P contactor to enable or exclude mains power supply to the electric car, and fully check that contactor works as expected.
* **5 working modes**, that can be configured by the Domoticz UI or by 2 UP/DOWN buttons:
  OFF: EV charging disabled (led status: red)
  SOLAR: use only energy from the solar system, assuring that power from grid is 0 (led status: green)
  25%: use both solar and grid energy, max 25% of the power availability (for example, with 6kW contract, use max 1500W from grid, + available power from solar) (led status: yellow)
  50%: use both solar and grid energy, max 50% of the power availability (for example, with 6kW contract, use max 3kW from grid) (led status: yellow)
  75%: use both solar and grid energy, max 75% of the power availability (for example, with 6kW contract, use max 4500W from grid) (led status: yellow)
  100%: use both solar and grid energy, max full power (for example, with 6kW contract, use max 6kW) (led status: yellow). In this mode it's also possible to set a consumption profile which includes two maximum power thresholds which are alternated for the duration of two configured times, to use the really max power from the grid. **For example, in Italy with a 6kW contract it's possible to drain max 7.6kW for 90 minutes, than 6.6kW for 90 minutes**.
  MANAGED: charging current set by the domotic controller (by a script, for example) (led status: blue)
* **AUTOSTART** function: when the vehicle is plugged again, the charging mode is automatically restored to the previous charging mode.
* It displays **nice charts** with
  - **charging power/energy**, that is differentiate into the two following charts
  - charging power/energy **from solar** (photovoltaic or other renewable source)
  - charging power/energy **from the electricity grid**
  - charging **voltage and power factor**
  - total **power/energy from grid**
  - **grid voltage, power factor and frequency**
* RGB led displaying current EV state

More info at https://www.creasol.it/DomBusEVSE

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			108,00 EUR + VAT

MicroSD 64GB high endurance, U3 V30 (30Mbyte/sec write speed) with Raspbian + Domoticz + Firewall + backup

High endurance memory card for Raspberry PI4 and PI3, with the last version of Raspbian operating system optimized to limit flash writings, extending the memory life.

Domoticz software already installed, as like as firewall script and backup system that can be configured to export backups and memory images to external NAS.

Price/each, VAT excluded

Already programmed with Domoticz for Raspberry PI4 or Rock PI S	Blank
15,00 EUR/each	12,60 EUR/each

Cable for RS485, 100m *NOT AVAILABLE*

Professional 100m flex cable for RS485 (and Modbus) serial bus. 4 wires + shield: 2*0.22mm twisted (120 ohm impedance, for data) + 2*0.5mm (for supply) + shielding. External diameter 5.5mm.

The ideal cable to connect Creasol DomBus I/O expanders to Domoticz home automation controller.

The twisted pair (yellow+white 0.22mm² wires) has 120 Ohm impedance and permit to get a realiable data transfer at high bitrates and long distance (115200bps for several hundreds of meters).

The red/black wires (0.5mm²) can be used to supply all devices connected to the bus.

The shield is made by a aluminum foil + dreinage tinner copper wire, and should be connected to GND to avoid interferences and crosstalk caused by other cables.

Price/each, VAT excluded

			End-User recommended price (for 1pce)

53x89x65 130g

300x300x80 3.6kg

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Catalog/ Pricelist
2024-01-29
Page 6/13

REMOTE CONTROL DUPLICATORS

Creasol Multi
Multi-frequency universal remote control duplicator, for gates, garage doors, traffic barriers, ….

Duplicates up to 4 remote controls, even if they transmit in different frequencies, inside the following ranges: 286÷361, 384÷418, 433.92 and 868.3 MHz.

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 4 languages.

OEM customized instructions available on request. Discount available for orders with more than 250pcs.

60x31x13mm, 35g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			29,80 EUR + VAT

Creasol MultiST
Multi-frequency universal remote control duplicator, for gates, garage doors, traffic barriers, in light-weight soft-touch plastic casing.

Available colors: **coffee, red, yellow, lightblue, green, beige**

Duplicates up to 4 remote controls, even if they transmit in different frequencies, inside the following ranges: 220÷330, 384÷418, 433.92 and 868.3 MHz.

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 4 languages.

OEM customized instructions available on request. Discount available for orders with more than 250pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			27,20 EUR + VAT

60x37x14mm, 16g

Creasol Four
Long range 433.92MHz universal remote control duplicator, for gates, garage doors, traffic barriers, ….

Duplicates up to 4 remote controls, even if different brands.

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 4 languages.

OEM customized instructions available on request. Discount available for orders with more than 250pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			20,90 EUR + VAT

54x31x11mm, 28g

60x37x14mm, 16g

Creasol FourST
Long range 433.92MHz universal remote control duplicator, for gates, garage doors, traffic barriers, ….

Duplicates up to 4 remote controls, even if different brands.

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 4 languages.

OEM customized instructions available on request. Discount available for orders with more than 250pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			19,70 EUR + VAT

Creasol Multi - Electronic board
Electronic board, with no battery and no enclosure

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			23,40 EUR + VAT

Creasol MultiST - Electronic board
Electronic board, with no battery and no enclosure

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			22,70 EUR + VAT

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Creasol Four - Electronic board
Electronic board, with no battery and no enclosure

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			15,30 EUR + VAT

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STATIONARY TRANSMITTERS / DUPLICATORS

41x31x11mm, 10g

Creasol Sender
1÷4 channels multi-Frequency remote control duplicator, supplied externally. Useful device to install into a car: open up to 4 automations pushing the brake pedal or highbeam lever.

Should be connected to the power supply through a switch: when the switch is pressed, the device start to transmit the code that was previously learned, activating the receiver. Wide power supply range: 5÷36Vdc or 7÷27Vac.

Suitable for opening gate and garage door (when placed **in the car fuse-box, connected to brake light or highbeam headlamp**, pulsing 2-5 times will activate up to 4 automations), or for home automation (for example to notify the domotic controller when someone press the door bell switch).

Operating frequency selected by the tact switch: 433.92, 868.3, 288, 300, 303, 306, 310, 315, 318, 330, 390, 403.55, 418 MHz

OEM customized instructions in 2 languages on request. Discount available for orders with more than 20pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			34,00 EUR + VAT

41x31x11mm, 16g

Creasol SenderBatt
4 channels transmitter/duplicator that should be connected to 1-4 switches.

Battery supplied (CR2032), long battery life, can also be supplied externally (2.4-3Vdc); multifrequency transmitter that is able to copy up to 6 remote controls, associated to 6 channels:

Channel 1: when external switch1 gets closed
Channel 2: when external switch2 gets closed
Channel 3: when external switch3 gets closed
Channel 4: when external switch4 gets closed
Channel 5: when external switch1 gets open
Channel 6: when external switch2 gets open

Suitable for opening gate or garage door (placed in the car), or for home automation (send a code to the domotic controller when a button has been pressed) or for enabling/disabling air conditioning (when one window gets open, send command to disable air conditioning; when window gets closed, enable air conditioning), ...

OEM customized instructions in 2 languages on request. Discount available for orders with more than 20pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			39,00 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 9/13

UNIVERSAL MULTIFREQUENCY RECEIVERS, AM/FM
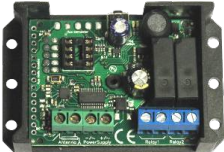

41x31x11mm, 20g

Creasol UniRec1

Universal multi-frequency receiver, 1 channel, 60V 50mA output capability

Suitable to be connected to any electronic board with a low-voltage input button, like gate controller/operator, suitable to be used with almost any remote control in the market. Up to 60 remote controls can be learned into the receiver.

1 opto-insulated output, can be supplied at 5÷36Vdc or 7÷27Vac.

Operating frequency selected by the tact switch: 433.42, 433.92, 434.15, 434.42, 868.3, 868.5, 868.8, 288, 300, 303, 306, 310, 315, 318, 330, 390, 403.55, 418 MHz, AM and FM. Works with both fixed and rolling code remote controls.

From Rev.5b you can program 2 different frequencies and modulations of your choice, so UniRec1 can be used with almost any remote controls transmitting in the selected frequencies with selected modulations (AM or FM).

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 4 languages.

OEM customized instructions available on request. Discount available for orders with more than 20pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			39,00 EUR + VAT

41x31x11mm, 22g

Creasol UniRec12

Universal multi-frequency receiver, 2 channels, 60V 50mA output capability

Suitable to be connected to any electronic board with one or two low-voltage input buttons, like gate controller/operator, suitable to be used with almost any remote control in the market. Up to 60 remote controls can be learned into the receiver.

2 opto-insulated output with 60V 50mA max capability. Can be supplied at 5÷36Vdc or 7÷27Vac.

Operating frequency selected by the tact switch: 433.42, 433.92, 434.15, 434.42, 868.3, 868.5, 868.8, 288, 300, 303, 306, 310, 315, 318, 330, 390, 403.55, 418 MHz, AM and FM. Works with both fixed and rolling code remote controls.

Can be setup to receive in 2 different frequencies and modulations of your choice, for example 868.8 MHz FM and 433.92 MHz AM.

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 2 languages.

OEM customized instructions available on request. Discount available for orders with more than 20pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			44,00 EUR + VAT

74x42x24mm, 43g

Creasol UniRec2

Universal multi-frequency receiver, 2 relay channels

Operating frequency selected by the tact switch: 433.42, 433.92, 434.15, 434.42, 868.3, 868.5, 868.8, 288, 300, 303, 306, 310, 315, 318, 330, 390, 403.55, 418 MHz, AM and FM. Works with both fixed and rolling code remote controls.

From Rev.5b you can program 2 different frequencies and modulations of your choice, so UniRec1 can be used with almost any remote controls transmitting in the selected frequencies with selected modulations (AM or FM).

Up to 240 different remote controls. Optionally, it's possible to place a memory to increase the number of remote controls up to 1000.

2 relay outputs, 250V 5A capable (5A for resistive load, for inductive loads the current should be lower).

Wide range power supply: from 7 to 27Vac and from 6 to 36Vdc.

Low power consumption and dissipation, thanks to the switching mode power supply: max current consumption (when both relays are ON) is 100mA@6Vdc and only 23mA@36Vdc.

Compact dimensions: 74x47x24mm.

Supplied in transparent resealable clamshell, 66x110x30mm dimensions, with printed instructions in 3 languages.

OEM customized instructions available on request. Discount available for orders with more than 20pcs.

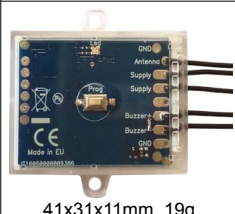| Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			53,00 EUR + VAT

Creasol UniRec2 - External memory (optional)

Universal multi-frequency receiver, 2 relay channels

Extend the number of remote control that can be learned into UniRec2 receiver. Supports up to 1000 remotes (15 times more than without external memory).

Installing the memory on the socket, all parameters and remote controls will be saved in the memory, so it's easy to save and copy the whole configuration just using an EEPROM reader/writer. Discount available for orders with more than 20pcs.

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			2,00 EUR + VAT

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Catalog/
Pricelist
2024-01-29
Page 10/13

DOOR OPENERS (electric lock and strike plate opener)

Creasol UniLock

Very compact universal electric lock opener

Suitable to activate any electric lock, normally supplied at 12-15Vac/dc, by pressing a button on the remote control. Can be used with almost any remote control in the market. Up to 60 remote controls can be learned into this receiver.

Very easy installation: only 2 wires that should be connected in parallel to the existing button switch.

When a valid code is received, the two wires are shorted by an internal electronic switch with 3,2A capability.

Operating frequency selected by the tact switch: 433.42, 433.92, 434.15, 434.42, 868.3, 868.5, 868.8, 288, 300, 303, 306, 310, 315, 318, 330, 390, 403.55, 418 MHz, AM and FM. Works with both fixed and rolling code remote controls.

From Rev.5b you can program 2 different frequencies and modulations of your choice, so UniRec1 can be used with almost any remote controls transmitting in the selected frequencies with selected modulations (AM or FM).

Supplied in transparent resealable clamshell, 66x110x15mm dimensions, with printed instructions in 2 or more languages.

OEM customized instructions available on request. Discount available for orders with more than 20pcs.

41x31x11mm, 19g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			39,00 EUR + VAT
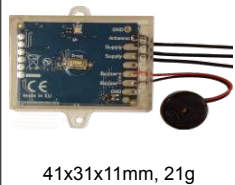
Creasol UniLock+buzzer

Very compact universal electric lock opener, with buzzer

Same device as UniLock, same features, adds audio notification when door opens: it reproduces a dual tone alert when door is opened by remote control, and optionally a different dual tone alert when door is opened by external pushbutton.

41x31x11mm, 21g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			40,30 EUR + VAT

Buzzer

Compact passive piezoelectric buzzer, suitable for Creasol UniLock

14mm dia, 4mm high, with 2 wires 45mm long, can be connected to Buzzer+ (red wire) and Buzzer- (black wire) to emit audio alert when the electric lock is activated by UniLock or externally (different alerts/tones). Flat response for a wide range of frequencies.

14x14x4mm 1g

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			1,30 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 11/13

AERIALS for 433.92 and 868.3 MHz bands, best quality, Made in Italy

Antenna 433.92 MHz standard

2.1dBi gain, 50Ω impedance, 425-440 MHz band, 10W max

Dimensions: H=220x30x150mm, Weight: 0.2kg

Stainless steel bracket, screws and nuts. RoHS.

All metal and plastic parts are designed to resist to oxidation and corrosion.

Assemblied with 3m RG58 coax cable

Protected RF connector, with hole, for water drain.

Protected from ElectroStatic Discharges up to 12kV.

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			17,20 EUR + VAT

Antenna 433.92 MHz narrow bandwidth

2.1dBi gain, 50Ω impedance, 433-435 MHz band, 10W max. Antenna has LC filter to reduce noise outside 433-435MHz band

Dimensions: H=310x30x150mm, Weight: 0.2kg

Stainless steel bracket, screws and nuts. RoHS.

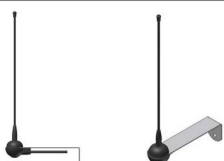All metal and plastic parts are designed to resist to oxidation and corrosion.

Assemblied with 3m RG58 coax cable

Protected RF connector, with hole, for water drain.

Protected from ElectroStatic Discharges up to 12kV.

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			20,40 EUR + VAT

Antenna 433.92 MHz narrow bandwidth, with SMA-male connector

2.1dBi gain, 50Ω impedance, 433-435 MHz band, 10W max. Antenna has LC filter to reduce noise outside 433-435MHz band

Dimensions: H=310x30x150mm, Weight: 0.2kg

Stainless steel bracket, screws and nuts. RoHS.

All metal and plastic parts are designed to resist to oxidation and corrosion.

Assemblied with 3m RG58 coax cable and SMA connector

Protected RF connector, with hole, for water drain.

Protected from ElectroStatic Discharges up to 12kV.

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			25,90 EUR + VAT

Antenna 868.3 MHz

2.1dBi gain, 50Ω impedance, 860-880 MHz band, 10W max

Dimensions: H=150x100x150mm, Weight: 0.2kg

Stainless steel bracket, screws and nuts. RoHS.

All metal and plastic parts are designed to resist to oxidation and corrosion.

Assemblied with 3m RG58 coax cable

Protected RF connector, with hole, for water drain.

Protected from ElectroStatic Discharges up to 12kV.

Price/each, VAT excluded

			End-User recommended price (for 1pce)
			19,70 EUR + VAT

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Catalog/ Pricelist
2024-01-29
Page 12/13

BATTERIES and CELLS, Hg-free

CR2032, 3V LiMnO$_2$ cell, 240mAh, very high quality, bulk packing, 40pcs/tray, 400pcs/pack, 4800pcs/carton *NOT AVAILABLE*

Can be sold with Ecotax included only for italian customers
Capacity: **240mAh**
Dimensions: diameter 20mm, height 3.2mm

Price/cell, VAT excluded			
			End-User recommended price (for 1pce)
			0,4000

CR2032, 3V LiMnO$_2$ cell, 210mAh, blister packing 5cells/blister, 20blister/pack, 200blister/carton (1000cells) *NOT AVAILABLE*

Can be sold with Ecotax included only for italian customers
Capacity: **210mAh**
Dimensions: diameter 20mm, height 3.2mm

Price/cell, VAT excluded			
			End-User recommended price (for 1pce)
			0,4000

CR2025, 3V LiMnO$_2$ cell, 165mAh, blister packing 5cells/blister, 20blister/pack, 200blister/carton (1000cells) *NOT AVAILABLE*

Can be sold with Ecotax included only for italian customers
Capacity: **165mAh**
Dimensions: diameter 20mm, height 2.5mm

Price/cell, VAT excluded			
			End-User recommended price (for 1pce)
			0,4000

CR2016, 3V LiMnO$_2$ cell, 80mAh, blister packing 5cells/blister, 20blister/pack, 200blister/carton (1000cells) *NOT AVAILABLE*

Can be sold with Ecotax included only for italian customers
Capacity: **80mAh**
Dimensions: diameter 20mm, height 1.6mm

Price/cell, VAT excluded			
			End-User recommended price (for 1pce)
			0,4000

23A, 12V alkaline cell, Hg-free, 56mAh, high quality, bulk packing 50pcs/carton

Can be sold with Ecotax included only for italian customers
Capacity: **56mAh**
Dimensions: length 28.5mm, diameter 10mm

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			0,9000

27A, 12V alkaline cell, Hg-free, 20mAh, high quality, bulk packing 50pcs/carton *NOT AVAILABLE*

Can be sold with Ecotax included only for italian customers
Capacity: **20mAh**
Dimensions: length 28.5mm, diameter 8mm

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			0,9000

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PLASTIC/METAL CASES (only the platic/metal box, no electronic board, no battery)

Case_M
Remote control case for Creasol Multi, including metal parts and snap hook

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			6,00 EUR + VAT

Case_ST
Remote control case for Creasol MultiST and FourST, including mobile strap.

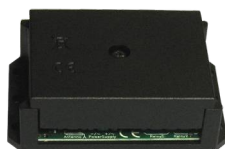| Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			5,00 EUR + VAT

Case_R1
Remote control case for Creasol UniLock, UniRec1, UniRec12, Sender, SenderBatt

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			2,50 EUR + VAT

Case_R2
Remote control case for Creasol UniRec2, DomBus1

Price/each, VAT excluded			
			End-User recommended price (for 1pce)
			3,20 EUR + VAT