

Control units





Technology Security Low consumption

TECHNOLOGICAL SOLUTIONS FOR SECURE OPERATION

All the latest generation V2 control units can be configured via smartphone and tablet, with V2AppTool.

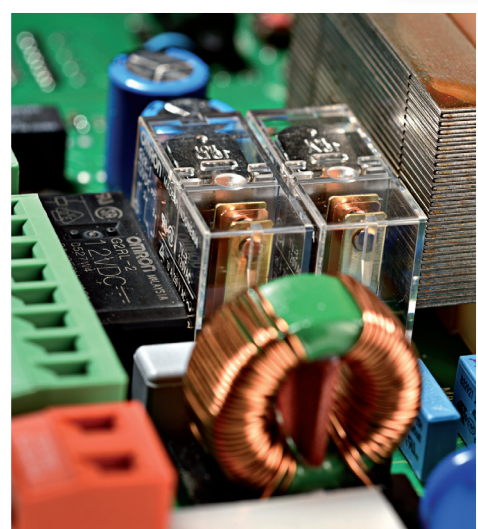
The V2AppTool is the app for technicians and installers, available for Android and iOS, only requiring installation of the BT-01 bluetooth module.

What can you do with V2AppTool?
You can set all the parameters of the control unit, load the default data, read the current configuration or load a previously saved one.



BT 01

ADI module for managing the control unit via Bluetooth and V2app

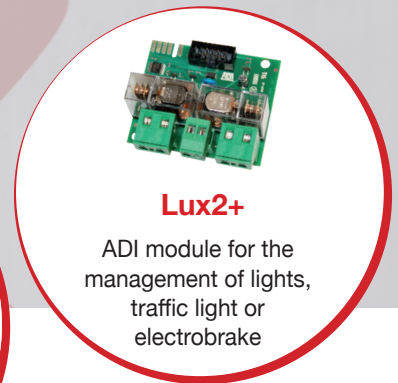
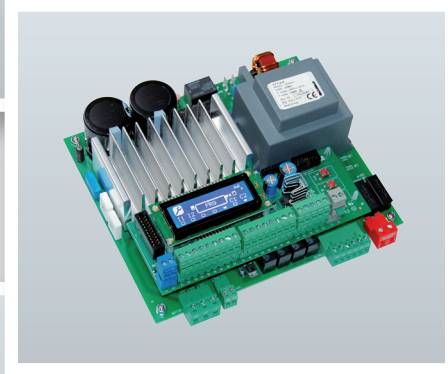


V2AppTool also allows you to register events, quickly upgrade control unit firmware and position the previously saved configurations in cloud.



VERSATILITY OF THE RANGE

V2 offers a complete range of analogue and digital control units, to command and manage swinging and sliding gates, rolling shutters, shutters and awnings.

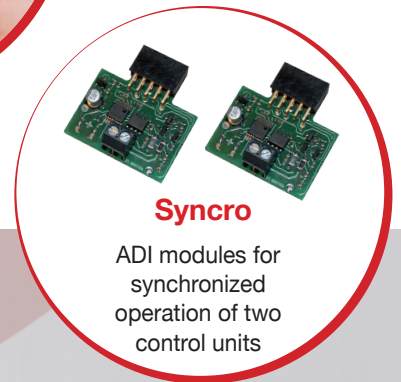


Lux2+

ADI module for the management of lights, traffic light or electrobrake



The functions and performance of the control unit can be further amplified thanks to the various optional modules, such as Lux2+, Syncro and Wes-adi.



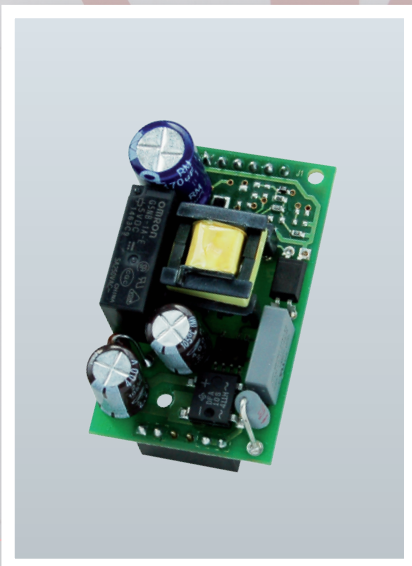
Syncro

ADI modules for synchronized operation of two control units



Wes-adi

ADI module for radio control of the safety devices through WES sensors



ATTENTION TO CONSUMPTION

V2 research is orientated towards development of systems capable of reducing consumption of the various equipment.

This objective brought about Low Energy, the module enabling electrical energy savings.

When the gate is stopped, Low Energy disables the display on the control unit, the photocells and all the devices powered by the terminal board.



city1-evo

Control unit

for swing and sliding gates

230V digital



PLUS

- Programming achieved using 3 program buttons and display
- 230V power supply for 2 single-phase motors with encoder
- USB plug to connect the control unit to a PC and manage control unit programming, firmware updates and diagnostics via software
- Connector for LOW ENERGY module that enables achieving important energy savings (<0.5 Wh)
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Safety device test before any opening
- 230V flashing light output (use flashing lights with intermittence)
- Self-learning operating time function
- Obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Soft start in fase di apertura e rallentamento in fase di chiusura (tempo programmabile)
- Monitoring of input status using the display
- Also available in CITY1-EVO-PB version, housed in an industrial box, equipped with safety disconnecting switch.

TECHNICAL FEATURES

Description	230V for 230V motors	230V for 230V motors (industrial box)
MODEL	CITY1-EVO	CITY1-EVO-PB
CODE	12G041	12G048
Power supply (Vac - Hz)	230 - 50	230 - 50
Maximum motor load (W)	2 x 700	2 x 700
Maximum 24V accessories load (W)	10	10
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100	400 x 300 x 165
Weight (g)	1600	4000
Protection degree (IP)	55	55

ACCESSORIES



11B047 • MR2	161221 • BT01	35B026 • WES-ADI	161217 • LUX2+	161218
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and V2app	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	LOW ENERGY module for saving electricity



city2+

Control unit

for swing and sliding gates equipped with 2 x 24V motors

230V digital



PLUS

- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Auxiliary channel management from transmitter
- Emergency pack battery input
- Encoder input
- Low voltage output for warning light or 24V flashing light
- Safety device test before any opening
- Amperometric sensor obstacle detection function with programmable threshold
- Operational cycle counter, with programmable maintenance reminders
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status using the display
- Energy Saving function to minimise consumption in standby mode
- Version with switching power supply CITY2 + L
- Also available as CITY2+BC version configured to work with the ECO-LOGIC system (this version has no transformer or power supply card)

TECHNICAL FEATURES

Description	230V for 24V motors (2 x 150W)	230V for 24V motors (2 x 100W)	24Vdc for 24V motors (2 x 150W)
MODEL	CITY2+	CITY2+ L	CITY2+ BC
CODE	12A024	12A037	12A030
Power supply (Vac - Hz)	230 - 50	230 - 50	24 Vdc
Maximum total load (W)	250	200	250
Maximum load for each motor (W)	150	100	150
Maximum 24V accessories load (W)	7	7	7
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100	295 x 230 x 100	295 x 230 x 100
Weight (g)	3000	1200	1000
Protection degree (IP)	55	55	55

ACCESSORIES



11B047 ▪ MR2	161221 ▪ BT01	35B026 ▪ WES-ADI	161217 ▪ LUX2+	161212 ▪ B-PACK
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and V2app	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	Backup battery with built-in charger



city4-evo

Control unit

for swing gates (single leaf) and sliding gates

230V digital



PLUS

- Programming achieved using 3 program buttons and display
- 230V power supply for 1 single-phase motor
- USB plug to connect the control unit to a PC and manage control unit programming, firmware updates and diagnostics via software
- Connector for LOW ENERGY module that enables achieving important energy savings (<0.5 Wh)
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Auxiliary channel management from transmitter
- 230V flashing light output (use flashing lights with intermittence)
- Safety device test before any opening
- Self-learning operating time function
- Obstacle detection function
- Operational cycle counter, with programmable maintenance reminder
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Slow start function during opening (programmable time)
- Monitoring of input status using the display

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	CITY4-EVO
CODE	12G044
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	10
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100
Weight (g)	1600
Protection degree (IP)	55

ACCESSORIES



11B047 • MR2	161221 • BT01	161217 • LUX2+	161218
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and V2app	ADI module for the management of lights, traffic light or electro-brake	LOW ENERGY module for saving electricity



city9

Control unit

for sliding gates

230V analogue



PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Open/close limit switch inputs
- 230V flashing light output (use flashing lights with intermittence)
- Safety device test before any opening
- Courtesy light output (also controllable by transmitter)
- Slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	CITY9
CODE	12B021
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

ACCESSORIES



11B047 • MR2

433.92 MHz plug-in receiver module
Also available in 868.30 MHz version
(code 11B048)



city11

Control unit

for swing gates

230V analogue
with **12V electrolock output**



PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 2 single-phase motors
- Electrolock output 12V
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

TECHNICAL FEATURES

Description	230V for 230V motors
MODEL	CITY11
CODE	12A033
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	10
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	1200
Protection degree (IP)	55

ACCESSORIES



11B047 • MR2

433.92 MHz plug-in receiver module
Also available in 868.30 MHz version
(code 11B048)



flexy2

Control unit

for swing and sliding gates

230V analogue
with **built-in receiver**
(433.92 MHz)



PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 2 single-phase motors
- Built-in receiver (433,92 MHz)
- Possibility to store up to 240 Personal Pass transmitter
- RJ45 connector to connect the control unit to the programmer PROG2 via standard network cable (UTP)
- Start, pedestrian start and stop controls from transmitter
- Open/close limit switch inputs
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

TECHNICAL FEATURES

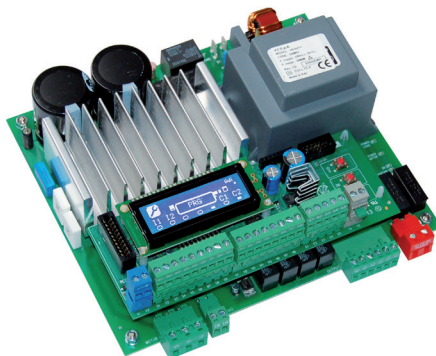
Description	230V for 230V motors
MODEL	FLEXY2
CODE	12G035
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55



heavy1

Control unit

for 230V three-phase motors
230V digital with INVERTER



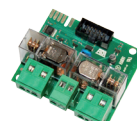
PLUS

- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1x230V three-phase motor (delta connection)
- Plug-in adaptor for modular radio receiver MR2
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Three relay outputs programmable as lights, electrolock, warning light, electrobrake or functioning test 12Vdc
- 230V flashing light output (use intermittent flashing light)
- Test of safety devices before each opening
- Precise adjustment of strength and speed during regular stroke and during slowdowns
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Operational cycle counter with programmable maintenance reminder
- Monitoring of input status using the display
- Available in version with only board or housed in a container (made of plastic or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons

TECHNICAL FEATURES

Description	230V with INVERTER electronic board only	230V with INVERTER plastic box	230V with INVERTER metal box
MODEL	HEAVY1	HEAVY1-PB	HEAVY1-MB
CODE	12B052	12B055	12B057
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50
Motor drive frequency (Hz)	5 ÷ 99	5 ÷ 99	5 ÷ 99
Maximum motor load (W)	1500	1500	1500
Maximum 24V accessories load (W)	20	20	20
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	200 x 172 x 80	400 x 300 x 165	400 x 300 x 185
Weight (g)	1800	4500	8700
Protection degree (IP)	-	56	66

ACCESSORIES



11B047 ▪ MR2	161221 ▪ BT01	35B026 ▪ WES-ADI	161217 ▪ LUX2+	161216 ▪ SYNCRO
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and V2app	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	ADI modules for synchronized operation of two control units

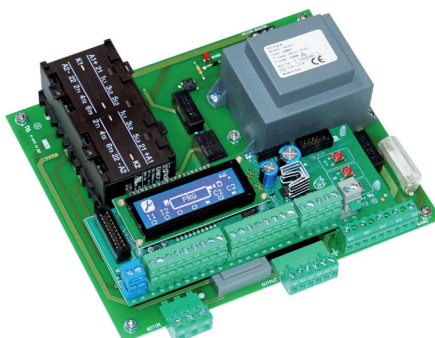


heavy2

Control unit

for 230V/400V three-phase motors

230V/400V digital



heavy2-pb



heavy2-mb



PLUS

- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1 x 230V/400V three-phase or 230V single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Two relay outputs programmable as lights, electrolock, warning light or functioning test 12Vdc
- 230V flashing light output (use intermittent flashing light)
- Test of safety devices before each opening
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Operational cycle counter with programmable maintenance reminder
- Monitoring of input status using the display
- Available in version with only board or housed in a container (made of plastic or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons

TECHNICAL FEATURES

Description	230V / 400V electronic board only	230V / 400V plastic box	230V / 400V metal box
MODEL	HEAVY2	HEAVY2-PB	HEAVY2-MB
CODE	12B053	12B056	12B058
Power supply (Vac - Hz)	400V - 230V (three-phase)	400V - 230V (three-phase)	400V - 230V (three-phase)
Maximum motor load (W)	4	4	4
Maximum 24V accessories load (W)	20	20	20
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	200 x 172 x 80	400 x 300 x 165	400 x 300 x 185
Weight (g)	1600	4300	8500
Protection degree (IP)	-	56	66

ACCESSORIES



11B047 ▪ MR2	161221 ▪ BT01	35B026 ▪ WES-ADI	161217 ▪ LUX2+	161216 ▪ SYNCRO
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module for managing the control unit via Bluetooth and V2app	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	ADI modules for synchronized operation of two control units



easy-top

Control unit

for rolling shutters

230V digital



PLUS

- Programming achieved using program buttons and display
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 1 emergency (fire alarm / alarm) input
- 24V accessory power supply output
- 230V flashing light/courtesy light output
- Optical-type safety edge power adjustment output
- Plug-in terminal boards
- Monitoring of input status shown by display
- Option to install the cover with keypad (code 171224), making it possible to control the control unit directly, when used in combination with module 171226

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	EASY-TOP
CODE	12C045
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

ACCESSORIES



11B047 • MR2	35B025 • WES-EASY	171224 • EASY-PULSE	171226 • EASY-PULSE
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	Optional card for radio control of safety devices using WES sensors	3 push-button casing	Push-button adapter



easy-lux

Control unit

for rolling shutters

230V digital
with **LED courtesy light** and **keypad**



PLUS

- Programming achieved using program buttons and display
- 230V power supply for 1 single-phase motor
- LED courtesy light integrated into the container
- Control keypad located on the cover
- Plug-in adaptor for modular radio receiver MR2
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 1 emergency (fire alarm / alarm) input
- 24V accessory power supply output
- 230V flashing light/courtesy light output
- Optical-type safety edge power adjustment output
- Plug-in terminal boards
- Monitoring of input status shown by display

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	EASY-LUX
CODE	12C049
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

ACCESSORIES



11B047 ▪ **MR2**

433.92 MHz plug-in receiver module
Also available in 868.30 MHz version
(code 11B048)

35B025 ▪ **WES-EASY**

Optional card for radio control of
safety devices using WES sensors



easy-basic

Control unit

for rolling shutters

230V analogue



PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Built-in radio receiver (433,92 MHz)
- Operation with Personal Pass or Royal series transmitters
- Possibility of storing up to 30 different codes (Personal Pass)
- Start, stop / safety edge inputs
- 1 input for photocells
- Start and courtesy light from transmitter
- 230V output for flashing light or courtesy light
- Monitoring of input status shown by LEDs

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	EASY-BASIC
CODE	12C044
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55



easy1

Control unit

for rolling shutters
and screens

230V analogue
with **built-in receiver**
(433.92 MHz)



PLUS

- 230V power supply for 1 single-phase motor
- Maximum available power for 1 motor: 700W
- Built-in radio receiver capable of memorising 32 Personal Pass transmitters
- Separated start inputs to control the UP/DOWN function by two push-buttons
- Possibility to control the rolling shutter with one single push-button configuring the STEP BY STEP logic
- Operating with one or two push-buttons also from transmitter

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	EASY1
CODE	12C029
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	41 x 127 x 24
Weight (g)	100
Protection degree (IP)	55



easy2

Control unit

for rolling shutters

230V analogue
with **courtesy light**
and **automatic closure**



PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Monitoring of input status shown by LEDs

TECHNICAL FEATURES

Description	230V for 1 230V motor
MODEL	EASY2
CODE	12C030
Power supply (Vac - Hz)	230 - 50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

ACCESSORIES



11B047 • MR2

433.92 MHz plug-in receiver module
Also available in 868.30 MHz version
(code 11B048)



city5

Control unit

for controlling a traffic light installed near an alternate-way traffic passageway

230V digital



PLUS

- Programming achieved using 3 program buttons and display
- Management of 2 traffic light units
- Mains-independent lamps power supply
- Plug-in adaptor for modular radio receiver MR2
- 2 push-button inputs: entry, exit
- 1 control device input code
- 2 vehicle presence detection inputs (N.O. or N.C.)
- 1 emergency input, to guarantee green on exit
- Independent input and output control from transmitter
- 2 control outputs for the gate control unit (N.O. or N.C.) opening and closing
- 2 x 24V ac/dc outputs for supplying accessories
- On-card traffic-light status LEDs
- Vehicle transit counter, with restricted access upon reaching parking capacity
- Programming right-of-way criteria in both directions
- Monitoring of input status using the display

TECHNICAL FEATURES

Description	230V for traffic light
MODEL	CITY5
CODE	12G014
Power supply (Vac - Hz)	230 - 50
Power supply for the lamps of the light (Vac)	Direct or alternate current, max 250V
Maximum charge of the lamps of the light (A)	5
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	195 x 145 x 80
Weight (g)	800
Protection degree (IP)	55


















ACCESSORIES



11B047 • MR2

433.92 MHz plug-in receiver module
Also available in 868.30 MHz version
(code 11B048)

ICONS

	Sliding door
	Swing door
	Roller shutter and screen
	Traffic light output
	Control unit power supply voltage
	Motor power supply
	Built-in receiver
	Connector for modular receiver
	Output for flashing light without intermittence
	Output for flashing light with intermittence
	Interface for connecting ADI modules
	Control unit suitable for operation with the WES accessory
	Control unit set up for WES-ADI module connection
	Control unit set up for SYNCRO module connection
	Control unit suitable for operation with the backup battery module
	Compatible with the ECO-LOGIC system
	Control unit designed for connection to Bluetooth module and control via V2app

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domotics & love