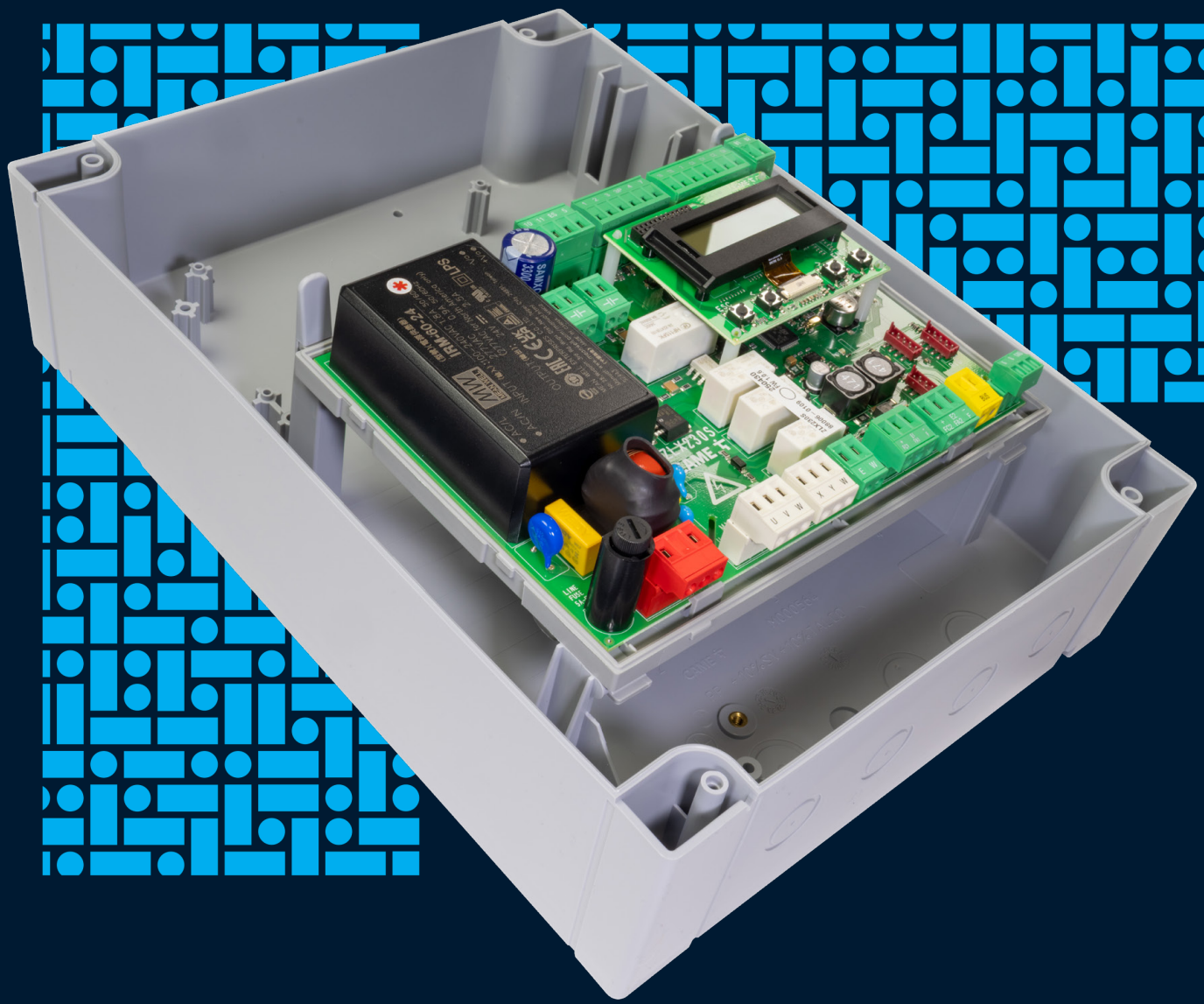
CAME

MORE THAN TECHNOLOGY

MORE THAN 50+ YEARS



ZLX230

The best control panels for 230V motor swing gates

10 11 ES 5
1 2 3 3P 4 7
10 TS 2 CX CY CZ CX
B1 B2
KEY
Esc
<
>
Ent
CAME
BUC

ZLX230
THE VERSATILE CONTROL BOARDS FOR 230V SWING GATE MOTORS

The ZLX230 series control panels for 230V swing gates are engineered for versatile and efficient operation, delivering precise control and reliable performance across a wide range of installations. Incorporating CAME CONNECT technology, Digital Torque Control, and intelligent movement management, they ensure smooth, safe, and optimised gate operation.

The ZLX230S offers an intuitive graphic display, CXN BUS connectivity, and capacity for up to 1,000 users, making it ideal for sites that demand advanced features and high user volumes. For applications requiring a simpler solution, the ZLX230P provides essential functionality with a clear 7-segment programming display and two configurable safety inputs, while maintaining the same robust build quality.

Both models are fully compatible with the RIO system and are equipped with traditional connectors, ensuring straightforward installation and integration into existing setups.

ZLX230 is the new series of control panels for managing all 230V motors applied to automation for **SWING GATES.**

ZLX230 FEATURES

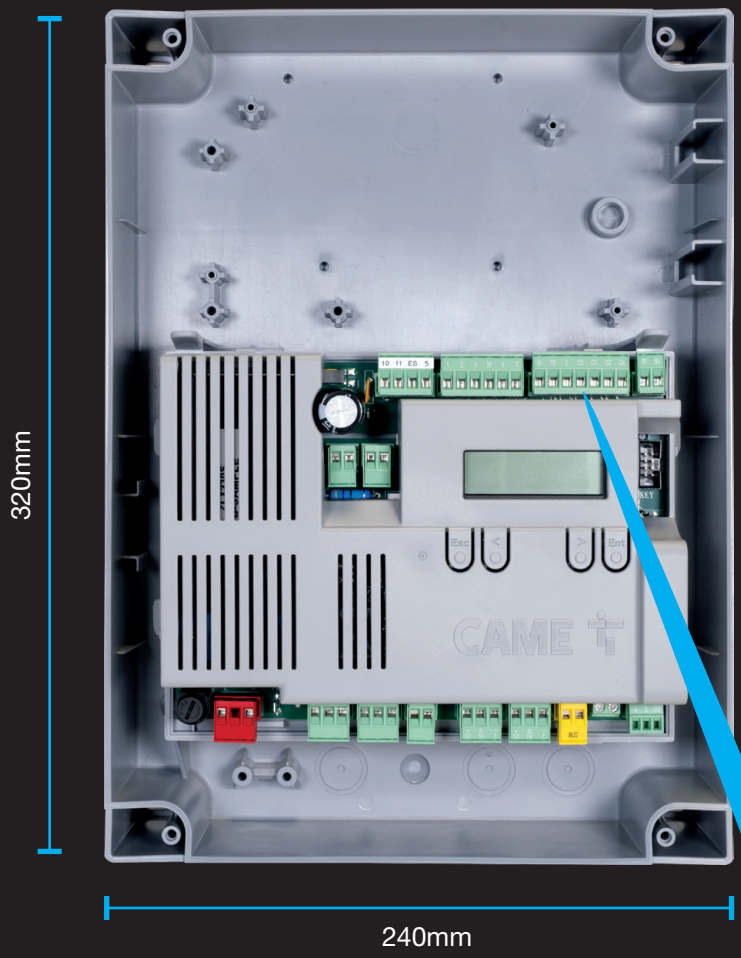
- **CONNECT TECHNOLOGY** for digital automation management, both locally and remotely.
- **ADVANCED ELECTRONIC FUNCTIONS** for smarter installation, the ZLX230 series includes DIGITAL TORQUE CONTROL and SMART MOTION CONTROL as well as dynamic management of automatic closing times.
- **VARIOUS CONNECTION MODES** for control and safety accessories with CXN BUS technology, RIO wireless system, and traditional and resistive inputs.
- **SIMPLIFIED INSTALLATION AND WIRING** thanks to innovative mechanical and electronic solutions
- **COMPATIBLE WITH ALEXA** for voice-controlled automation management.
- **AVAILABLE IN 2 DIFFERENT VERSIONS** for installation requirement of all kinds.
- **VAST RANGE OF ACCESSORIES.** original CAME accessories to complete the system.
- **COMPLIES WITH REGULATION (EU) 2023/826** which establishes eco-compatible design requirements for power consumption in off mode, standby mode, and grid standby mode.

COMPATIBILITY

Arm Type	Motor Type	Motor Codes
Straight Arm Gearmotor	ATS	801MP-0050, 801MP-0060, 801MP-0090, 801MP-0100
	ATI	801MP-0170, 801MP-0190, 801MP-0180, 801MP-0200, 801MP-0210, 801MP-0220
	AXO	001AX302304, 001AX402306, 001AX412306, 001AX71230
Articulated Arm Automations	FAST 70	001FE40230, 001FE40230V
	FERNI	001FE4024, 001FE4024V
Underground Gearmotor	FROG	001FROG-AE, 001FROG-A, 001FROG-AV

230V CONTROL PANELS DESIGNED

ZLX230S



COMPLETE HIGH PERFORMANCE

Multi-function control panel in special 230V version for single and double leaf swing gates. Equipped with a graphic programming display to ensure the installer can read the complete menu items and follow the wizard. It also has self-diagnosing safety devices, Adaptive Speed Control, 4 settable safety inputs, BUS CXN and 1000 storable users.

Equipped with a timer function for configuring up to 8 different time slots and up to 16 special days.

4 SAFETY INPUTS

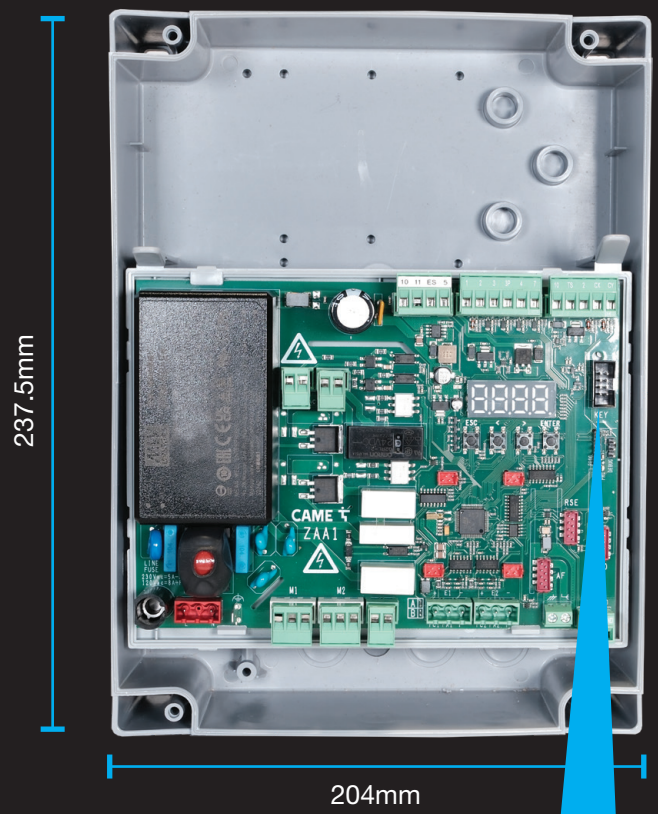
The ZLX230S control panel features 4 configurable safety inputs for the easy installation of hardwired safety devices such as photocells, 8k2 resistive safety edges, mechanical safety edges or any other required device. These safety devices can be mixed and matched and can be added into the control panel via terminals CX, CY, CZ, CK.

SAFEST CONTROLLERS ON THE MARKET

The ZLX230S ensures performance and safety for all motors without an encoder. Due to the technological advancements to electronically manage the torque and the obstacle detection, through the ADAPTIVE TORQUE TECHNOLOGY and SMART MOVEMENT CONTROL.

FOR INSTALLERS

ZLX230P



ESSENTIAL AND MULTIFUNCTIONAL

Essential 230V control panel for single- and double-leaf swing gates without encoders, with 7-segment programming display, self-diagnosing safety devices and Digital Torque Control, 2 settable safety inputs and up to 250 storable users.

Module for managing CXN BUS accessories (806XG-0110) available as an accessory.

DIGITAL TORQUE CONTROL

Digital Torque Control (DTC) electronically adjusts the force of the operators, allowing precise settings. Unlike conventional methods, the DTC digitally sets the torque, which can be changed remotely via CAME Connect or via display/CAME KEY.

This improves the management of swing gates.

CAME KEY

ZLX230s have been designed with a KEY slot directly on the board, allowing you to easily extend functionality.

The slot allows the addition of these 3 products:

- WiFi Gateway & Bluetooth Selector - Connects the automation to Connect using home WiFi or Bluetooth.
- RSLV module - Used to make an 868 radio-relay link.
- CAME Key - Local point to point interface that allows you to manage configuration using a smartphone or tablet via the CONNECT SetUp App.

MAIN TECHNICAL FEATURES AT A GLANCE

Which ZLX230 is right for you?

MODEL	ZLX230S	ZLX230P
Configurable safety inputs	4	2
CNX BUS inputs	✓	✗*
Output B1 - B2	✓	✗
RIO System 2.0	✓	✓
CAME KEY and Gateway slot	✓	✓
Adaptive Speed Control	✓	✗
Digital Torque Control	✓	✓
Virtual Encoder management	✓	✗
Users number	1000	250
Timer Function	✓	✗
PCB plastic cover	✓	✗

*Available with optional 806XG-0110 accessory

SIMPLIFIED INSTALLATION

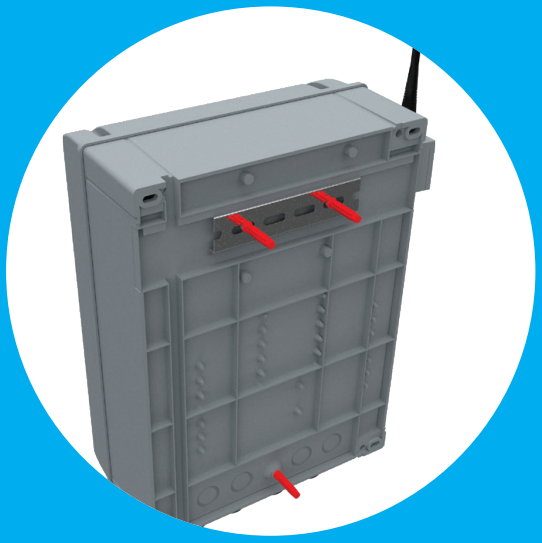
MAKING IT SAFER AND QUICKER FOR CAME INSTALLERS

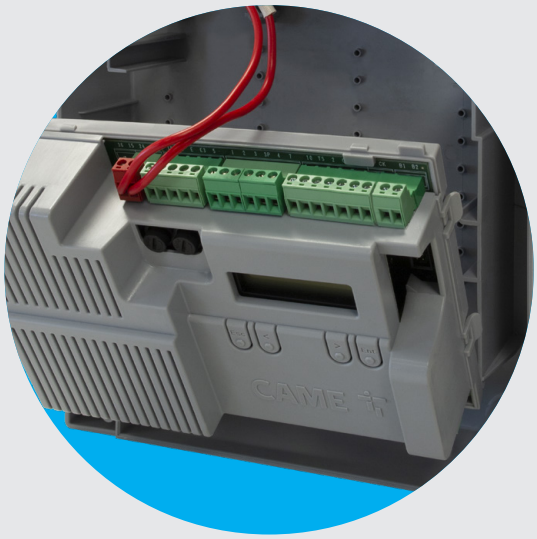
EASY INSTALLATION

The new enclosure features a DIN rail fixing system allowing installers to secure the unit with a single screw, while ensuring perfect stability.

Upgrading from a previous system? The ZLX230 features the same fixing holes as previous CAME control panels for easy retrofit.

System upgrades have never been easier.





HANDY CABLING

For additional convenience during installation and maintenance, ZLX230's control board is mountwed on a tilting base that can be easily detached from the casing to make it easier to work with once the case is attached to the wall.

Increased space behind the board has been designed into the casing to allow for better cable management, whilst internal DIN railing makes it simple to install additional devices within the housing.

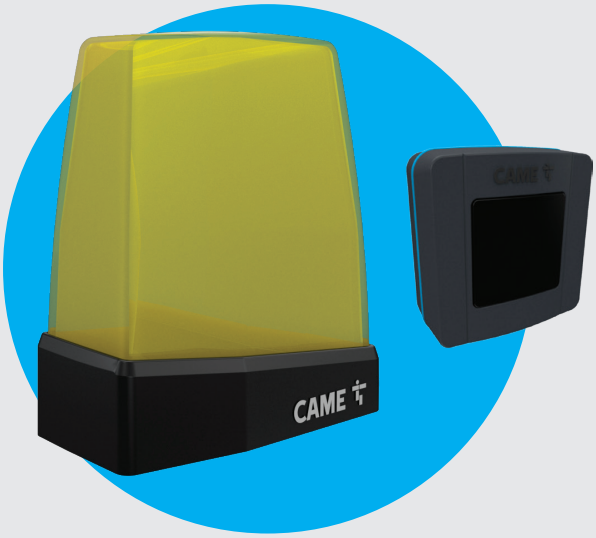
CONVENIENT CABLE CHANNELING

An installer friendly channel has been designed into the rear of the casing to allow external cables to run behind the control panel without causing further extrusion for the casing.

MOTOR SETUP

Every installtion is unique, which is why ZLX230 has been designed to allow advanced configuration during motor setup.

Manage gate leaf parameters independently or even add a different motor on each leaf, the inbuilt intelligence with ZLX230 allows you to simply do this during setup.



ACCESSORY CONNECTIONS

ZLX230 is the perfect solution for installations where several safety inputs need to be configured in different ways. This innovative control board connects with CXN BUS and is equipped with up to 4 safety inputs which can also be set as resistive inputs. Wireless connection is also available through RIO System accessories, for installations where masonry work can not be carried out.

The ZLX230P requires an optional 806XG-0110 accessory for CXN BUS functionality.

SCHEDULED MAINTENANCE

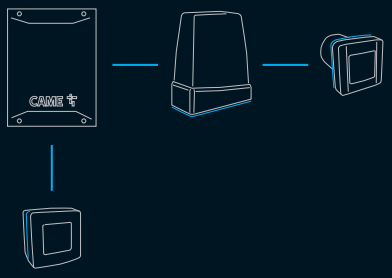
A signal can be set to notify when a determined number of manoeuvres has been reached. This allows installer to schedule maintenance and to easily check the status of the automation.

Maintenance alerts can be sent to an installer via CONNECT, whilst the addition of a KRX light onto the system can be used as a visual display that maintenance is required.

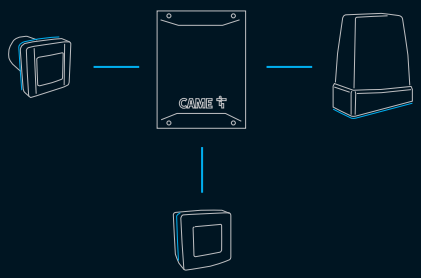
ZLX230 can be **locked using a 4-digit password,** so that unauthorised people can not access the control board functions and to ensure that only approved professionals can perform configurations and maintenance.

ON-BOARD FEATURES: CXN BUS CONNECTION

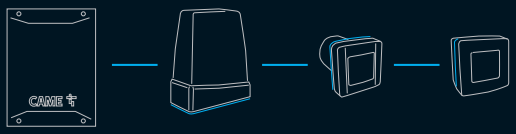
MIXED connection



STAR connection



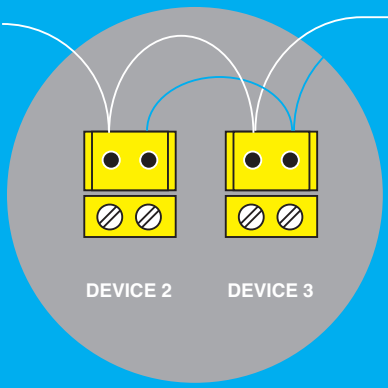
DAISY CHAIN connection



The ZLX230S has designated CXN BUS connection terminal which guarantees simple installation of CXN BUS accessories.
A range of CXN bus accessories are now available that can wire directly into the BUS terminal making installation options greater than ever before...

EVERYTHING WITH TWO WIRES!

The direct connection terminal on the ZLX230S board allow you to integrate a range of CAME accessories. Available as an optional extra on ZLX230P.



Item Code	Description
806SL-0280 & 806SL-0290	Keypad selectors
806SL-0300 & 806SL-0310	Transponder sensors
806TF-0090 & 806TF-0100	DLX series photocells
806TF-0110	DXR series photocells
806LA-0050	KRX series flashing light

ADAPTIVE SPEED & TORQUE

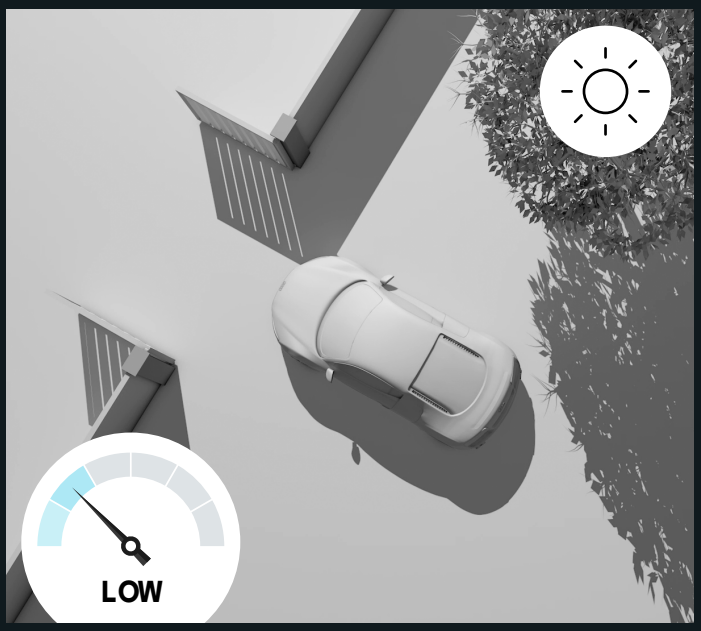
CONSTANT SPEED CONTROL & ADAPTIVE POWER TO MEET CHANGING CONDITIONS

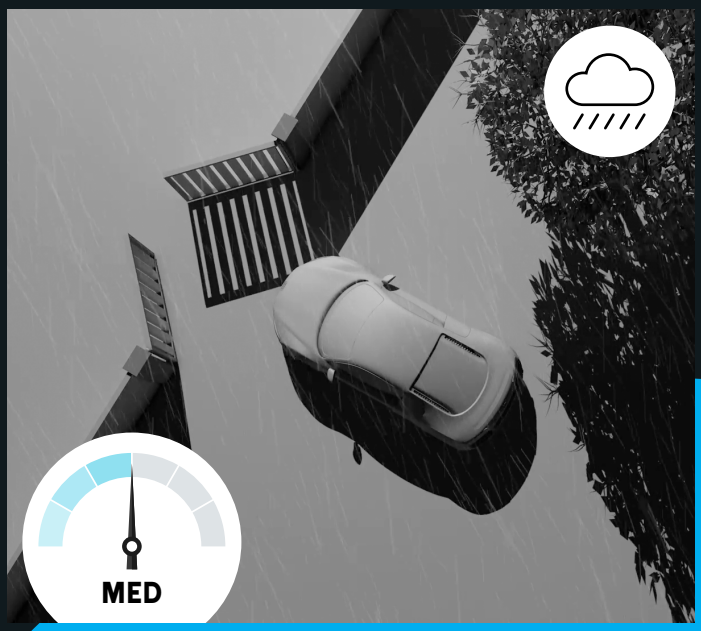
The ZLX230S control panel monitors the motor speed, acceleration and deceleration phases, alongside the absorbed current, to allow automated adjustments to be made.

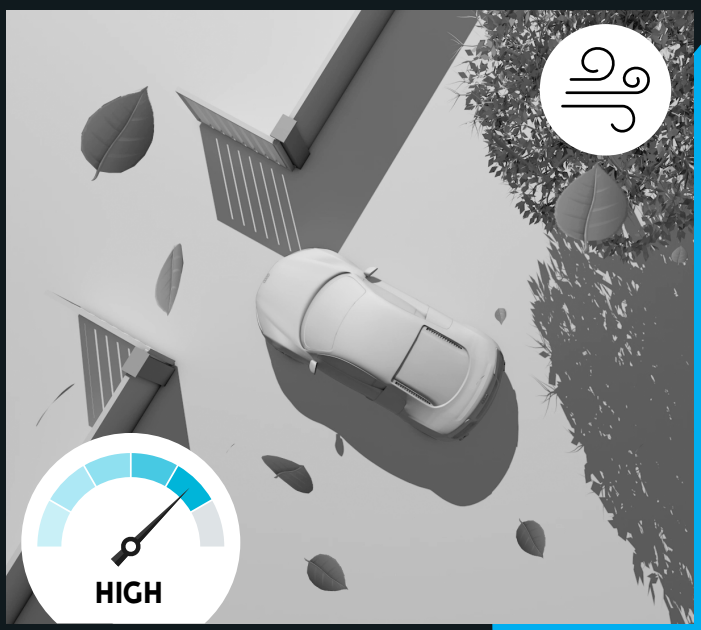
The adaptive speed system constantly evaluates gate weight and friction to detect obstacles and to keep the speed at the pre-set level.

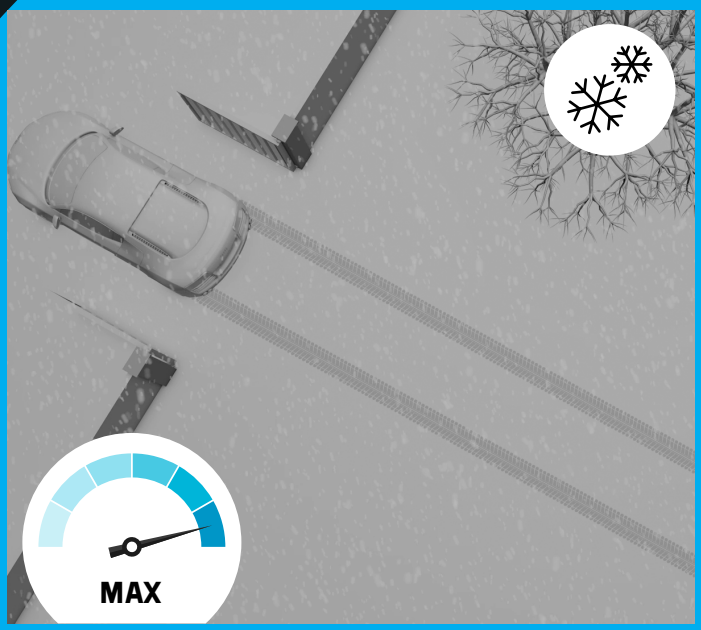
PERFECT OPERATION THROUGHOUT THE WHOLE YEAR

The continuous torque adaptation allows the motor to always be updating to possible friction variations and to perform consistantly in every operation, during changing weather conditions.









Where the conditions are mild, the control board will provide the minimum torque. As conditions become more challenging, the board will detect this and provide more torque to compensate.

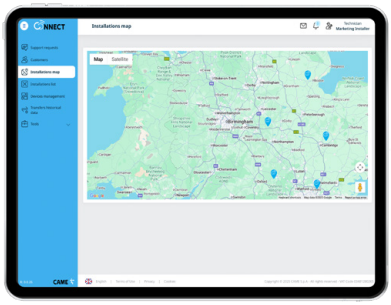
ZLX230 & CAME CONNECT

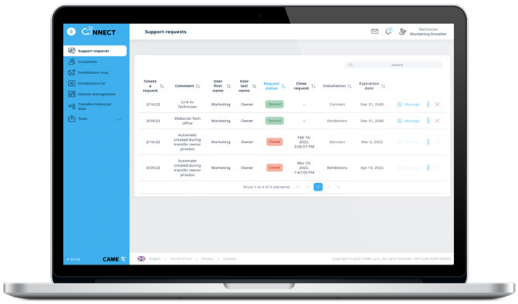
REMOTE CONTROL, REMOTE MONITORING, REMOTE MANAGEMENT

The CAME Connect platform provides a number of industry-leading benefits to both installers and end users.

The platform is intuitively designed to provide seamless integration with the CONNECT SetUp App to provide remote connectivity and diagnostic capabilties. Once you have used the app to manage system configuration on site, you can head straight to the web portal where all the system information will have seamlessly migrated, and you can start to realise the full power of CAME Connect.

Add a CONNECT module to your ZLX230 control panel for remote connectivity and access to all these installer friendly features...





REMOTE DIAGNOSTICS

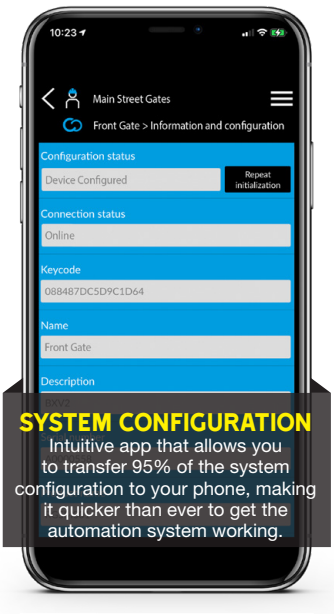
Diagnose all of your customer installations, all from one place, without even leaving the office. Save yourself a fortune in valuable time and fuel costs.

MANAGE SITE MAPPING

View and manage all of your installations on an easy to navigate site map, where you can easily see status notifications and navigate directly in to sites to affect immediate changes.

MANAGE SUPPORT REQUESTS

Manage all of your support requests for every managed site via the web platform. Easy to navigate and simple to action. What more could an installer wish for?



SYSTEM CONFIGURATION

Intuitive app that allows you to transfer 95% of the system configuration to your phone, making it quicker than ever to get the automation system working.

EVENT LOG

One of the most useful aspects of CAME Connect is being able to view the event log and monitor what events have happened on the system and when.

ALL THIS PLUS A HOST OF OTHER BENEFITS

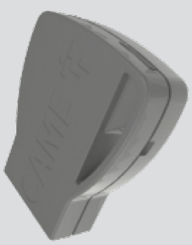
- Simple account setup and configuration
- CONNECT customer list
- Transmitter management
- Easily create custom scenarios
- Create access control systems
- Manage exclusion calendars

ZLX230 DESIGNED FOR CONNECT FROM THE GROUND UP

These innovative 230V control boards can be configured using a standard manual procedure, as well as using the CONNECT technology for local or remote management.

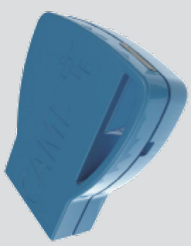
The direct plug can be used for connecting the CAME KEY or CAME Gateways for a complete range of additional functions.

ZLX230 PLUG-IN OPTIONS



WIFI GATEWAY

- Connects the automation to Connect using home WiFi.
- Bluetooth mode allows for smartphone control in the absence of a WiFi network.

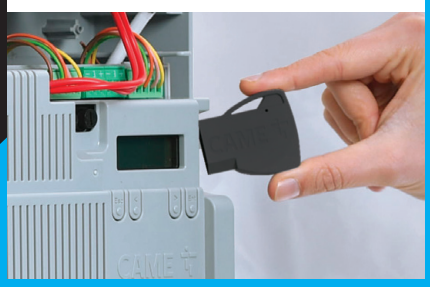


RADIO SLV MODULE

- Connects directly into the dedicated key slot on the board, making an 868 radio-relay link with the QBE/RETH.

CAME KEY

- Local point to point interface that allows you to manage configuration using a smartphone or tablet via the CONNECT SetUp App.

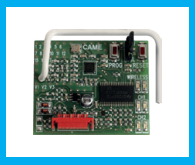


ON-BOARD WIRELESS SAFETY
SIMPLE, FAST & CONVENIENT

Each ZLX230 comes complete with a built in socket for RIO System 2.0, the innovative radio-based safety system that needs no wired connection between the control module and the safety accessory. This feature drastically reduces installation times. Control module, photocells, sensitive safety-edge and flashing light all make up a complete system based on totally wireless transceiver-technology.

All RIO 2.0 devices are battery powered and ensure long-life of service. Accessories include wireless photocells, a wireless edge controller which can connect to 8k2 resistive edges or traditional mechanical edges and to complete the range a battery powered flashing safety light.

RIO 2.0 SYSTEM COMPONENTS:



806SS-0040
Plug-in radio control module for up to 3 wireless devices

806SS-0050
External radio control module for up to 10 wireless devices

806SS-0010
Wireless photocells

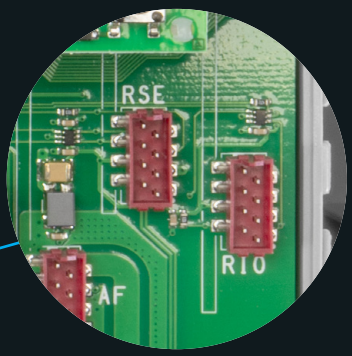
806SS-0020
Wireless 8k2 safety-edge module

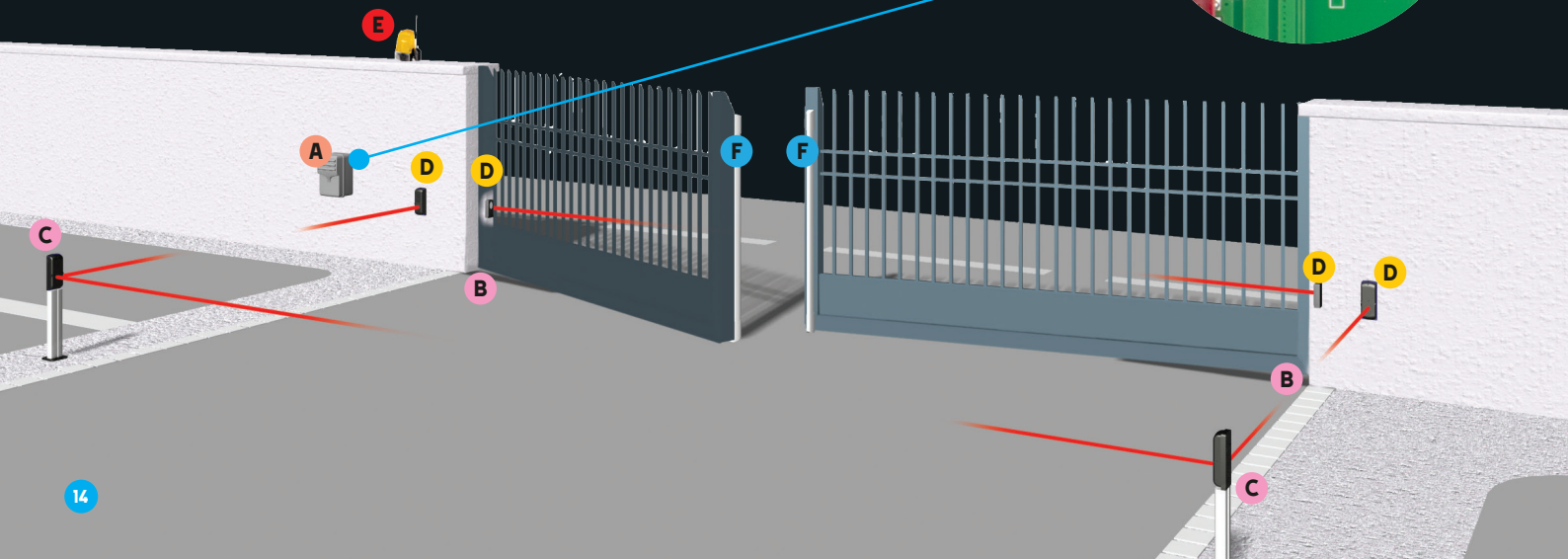
806SS-0030
Wireless, battery-operated flashing light

Code	RIO 2.0 Wireless Accessories
806SS-0040	RIOCN8WS - Plug-in, radio-based control module for managing up to 3 wireless accessories.
806SS-0050	RIOCT8WS - External radio-control module for managing up to 10 wireless accessories.
806SS-0010	RIOPH8WS - Pair of wireless, infrared-beam photocells. Infrared range: 10 (m).
806SS-0020	RIOED8WS - Wireless module for controlling resistive sensitive safety-edges.
806SS-0030	RIOLX8WS - Wireless flashing light.

EXAMPLE INSTALLATION

A = ZLX230.
B = Gearmotor.
C = Cordless photocell.
D = Photocell.
E = Flashing light
F = RIO 2.0 sensitive safety edge.





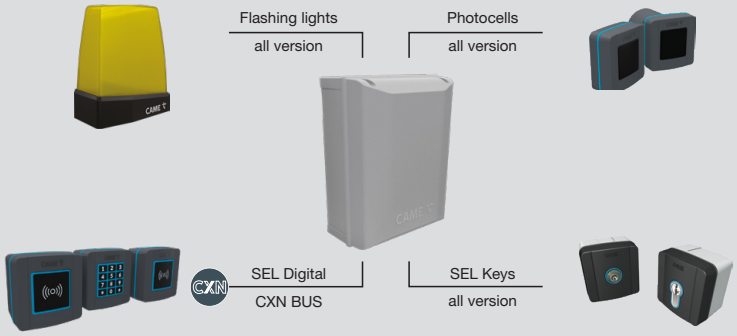
EASY PROGRAMMING

PROGRAMMING SIMPLIFIED

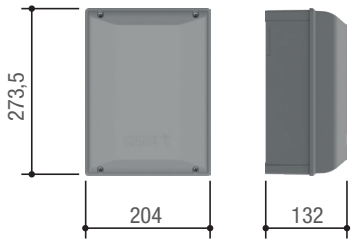
ZLX230 provides inputs for the connection to both control and safety devices and to CXN BUS devices, to let installers connect all accessories in a new quicker way.
It also allows to get a feedback from each accessory, thanks to the auto-configuration function.

The control board allows the connection of:

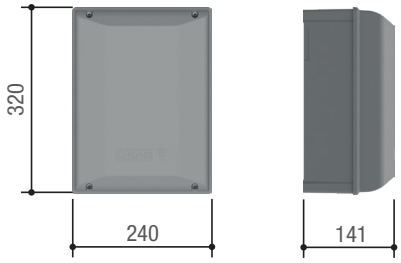
- up to 8 pairs of photocells
- 2 flashing lights
- 7 command selectors (keyboards, transponders and key selectors).



SPECIFICATION



ZLX230P - 801QA-0110



ZLX230S - 801QA-0130

FUNCTIONS

CODE	801QA-0110	801QA-0130
MODEL	ZLX230P	ZLX230S
Configurable safety inputs	2	4
CXN BUS inputs	● *	●
Output B1-B2	-	●
RIO System 2.0	●	●
Slot for CAME KEY and CAME gateway	●	●
Number of users	250	1000
Timer function	-	●
Plastic board cover	-	●
Modbus Open Protocol	●	●
Management of 2 different motors	-	●
Digital Torque Control DTC	●	●
Encoder/ limit switch input	-	●
Adaptive automatic closing time	●	●

* With accessory 806XG-0110

TECHNICAL FEATURES

MODEL	801QA-0110	801QA-0130
Protection rating (IP)	54	54
Power supply (V - 50/60Hz)	230 AC	230 AC
Motor power supply (V)	230 AC	230 AC
Power (W)	1100	1100
Operating temperature (°C)	-20 to +55	-20 to +55
RAL color	7024	7024
Cabinet material	ABS	ABS

INTERNAL ACCESSORY HOUSING TABLE

MODEL	801QA-0110	801QA-0130
SMA detector - SMA2	YES	YES
RGSM module	YES	YES
RCXN BUS Module 806XG-0110	YES	INTEGRATED

CAME

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Willow Farm Business Park
Castle Donington
DE74 2US

Tel: 0115 921 0430

CAME UK - South (Intercoms)
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