

# ICARO

Automation for rack sliding gates weighing up to 2000 kg,  
apartment-block and industrial use



Maximum safety with antisquash protection

Control panel preset for management either by means of the UNIPRO universal programmer, or built in LCD display

Integrated high security rolling code receiver

Auto set feature: automatically preset of working parameters

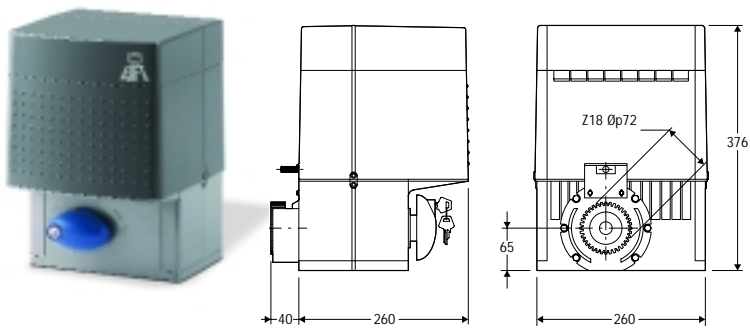


Gate automation systems  
and automatic doors



# ICARO

Automation for rack sliding gates weighing up to 2000 kg, apartment-block and industrial use



- Maximum performance and continuous service offered by ICARO irreversible gearmotor
- Design and convenience: major aesthetic innovation and greater casing sturdiness
- Safe release manoeuvre made simple by means of the new ergonomic knob
- Maximum safety with anti-squash protection, thanks to a microprocessor which guarantees innovative torque control and obstacle detection
- Improved accessibility and management of the control panel, having the control board fitted to the front and a display for programming
- Diagnostic and statistical functions through the display
- Control board preset for management by means of the UNIPRO universal programmer
- Rolling code receiver and 64 codes inside the control board.
- With parameter autosest option for braking, torque and anti-squash functions.

## Technical specifications

Operator	ICARO
Power supply	230 V ± 10%, 50 Hz single-phase
Absorbed power	750 W
Thermal protection	integrated
Max. leaf weight	20000 N (~2000 kg)
Output revolutions	37 min <sup>-1</sup>
Pinion pitch	4mm (18 teeth)
Leaf speed	9 m/min
Impact reaction	electronic clutch with encoder
Manual manoeuvre	mechanical knob release with personalised key
N° manoeuvres in 24 hours	continuous service
Control panel	LEO
Type of limit switch	electromechanical or inductive
Environmental conditions	from -15°C to +60°C
Degree of protection	IP24
Actuator weight	250 N (~25 kg)
Dimensions	see figure

## Example of installation

M gearmotor ICARO with built-in control board LEO and incorporated 64 rolling code receiver

T double-channel rolling code transmitter, MITTO 2

Fte-Fre pair of photocells, CELLULA 130

Fti-Fri pair of photocells, CELLULA 50

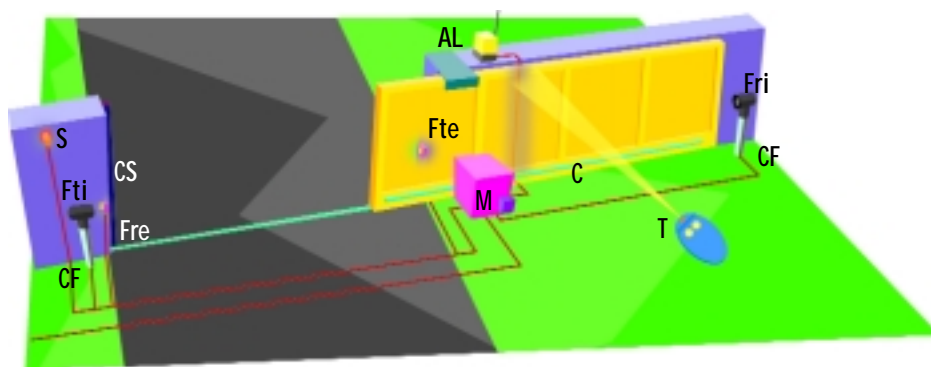
CF pair of photocell posts, CC50

AL blinker LAMPO PA with antenna SL433

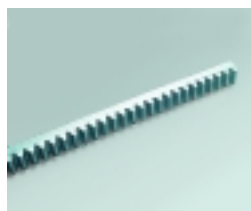
S key selector, INTRO

CS safety edge

C galvanised iron rack, CFZ



## Accessories



CFZ: 22x22mm 4-pitch galvanised iron rack. 5x2m lengths in 10m packages.



CVZ: 30x12mm 4-pitch drilled galvanised iron rack with support. 10m packages.



CPZ: 4-pitch plastic rack for load up to 500kg fixed without brackets. 1-m lengths in 10-m packages



LEO



Control panel for the management of an electromechanical single-phase actuator with a power of up to 750 W and without torque setting option. 3 and 4 step logics with automatic or semi-automatic operation and hold-to-run control.

Adjustable electrodynamic braking. Rapid closing function. Pedestrian access input.

Supports the EELINK protocol. Digital setting of parameters and logics. Visualisation of the set values on an integrated multilingual display. Autosest MENU for the automatic identification of the minimum torque requested for opening and closing, encoder sensitivity and braking. Reset menu for the original configuration set by the manufacturer (default). Self-diagnosis function. Management of statistical parameters. Management of wire connected centralised systems (master/slave system) with up to 127 zones. Adjustable pedestrian access. Separate opening and closing inputs. Separate inputs for photocell safety devices and electric edge. Clock input. 433.92 MHz built-in rolling-code receiver and 64 codes. Universal coupling for radioreceiver. Extractable terminal bars for easier installation, maintenance or replacement operations.

For system composition and installation refer to the regulations in force in the country where the system is being installed. The indicated data are not binding. BFT reserves the right to make modifications without prior notice.