



ayros

Irreversible electromechanical rack actuator motor reducer

for sliding gates
weighing up to 1200 Kg

Available in two versions:
24V and **230V**



Built-in digital control unit

Housing of the backup
battery (24V versions)

Painted aluminium casing

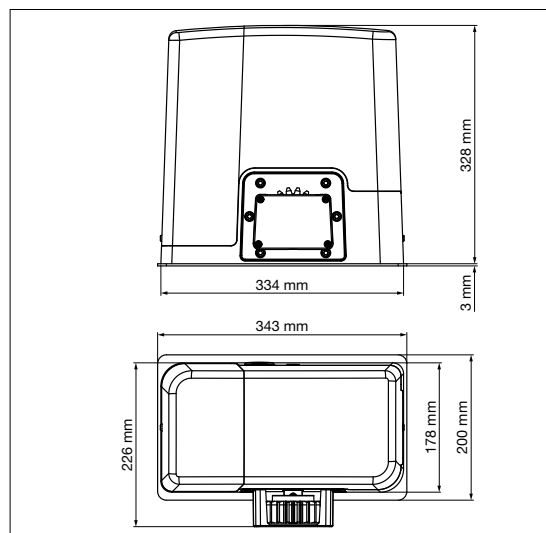


PLUS

- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time

24V versions:

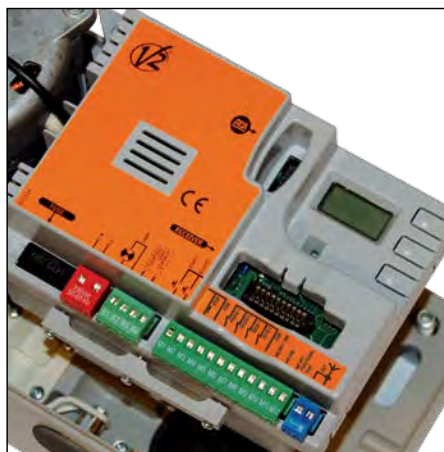
- Programmable acceleration and deceleration
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system



TECHNICAL FEATURES

Description	24V gates up to 500 Kg fast motor	24V gates up to 600 Kg	24V gates up to 1000 Kg	230V gates up to 400 Kg	230V gates up to 800 Kg	230V gates up to 1200 Kg
MODEL	AYROS 500D-24V-F	AYROS 600D-24V	AYROS 1000D-24V	AYROS 400D-230V	AYROS 800D-230V	AYROS 1200D-230V
CODE	23C052	23C034	23C035	23C031	23C032	23C033
Gate maximum weight (Kg)	500	600	1000	400	800	1200
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	550	400	550	350	500	600
Full load current @ 230Vac (A)	2.5	2	2.5	1.7	2	2.6
Gate speed (m/s)	0.25 (@ 200N) 0.4 (unloaded)	0.14 (@ 300N) 0.26 (unloaded)	0.14 (@ 450N) 0.26 (unloaded)	0.16	0.16	0.16
Maximum thrust (N)	400	600	900	400	670	950
Duty cycle (%)	60	60	60	30	30	30
Pinion	M4-Z18	M4-Z18	M4-Z18	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (Kg)	16	16	18	14	15	16
Protection degree (IP)	44	44	44	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	7	10	10	10

CONTROL UNIT



Electrical connections of the control unit on page 127

- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Courtesy light output
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slow-down function in limit switch area
- Slow start function during opening (programmable start-up rate)
- ADI connector for connecting optional modules

24V versions

- Output for flashing light 24V with or without intermittence
- Energy Saving function to minimise consumption in stand-by mode

230V versions

- Output for flashing light 230V with intermittence
- Brake function with programmable power

ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161216 ▪ SYNCRO	161221 ▪ BT01	161212 ▪ B-PACK
433.92 MHz plug-in receiver. Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors	ADI module for managing the control unit via Bluetooth and V2app	Backup battery with built-in charger



162330	162313	162329	162322	ACC009
Additional anchoring clamps	Nylon rack M4 - 6 attachments 1 m long with metallic insert	Galvanised metal rack 30x8 M4 1m long with fixing kit	Galvanised metal rack 30x12 M4 1m long with fixing kit	Warning sign



ayros **kit**

Installation kit for sliding gates
weighing up to 1000 Kg

Available with **24V** and **230V** motors

COMPOSITION



1
**Irreversible
electromechanical rack
actuator motor reducer**



2 PHOX2
433.92MHz rolling code
transmitter



3 MR2
Plug-in module receiver



4 SENSIVA-XS
Miniaturized
wall-mounted and
pillar-mounted photocells

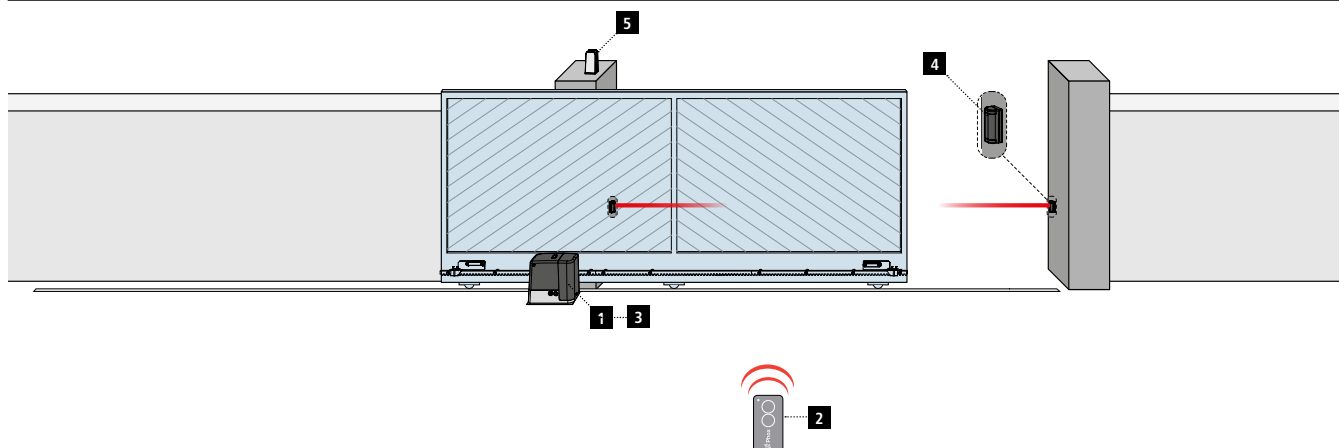


5 LUMOS-M
Led flashing light



6 ACC009
Warning sign

ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section



TECHNICAL FEATURES

Description	24V gates up to 600 Kg	24V gates up to 1000 Kg	230V gates up to 400 Kg	230V gates up to 800 Kg
MODEL	AYROS 600D-24V	AYROS 1000D-24V	AYROS 400D-230V	AYROS 800D-230V
CODE	23C034	23C035	23C031	23C032
Gate maximum weight (Kg)	600	1000	400	800
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Maximum electric power (W)	400	550	350	500
Full load current @ 230Vac (A)	2	2.5	1.7	2
Gate speed (m/s)	0.14 (@ 300N) 0.26 (unloaded)	0.14 (@ 450N) 0.26 (unloaded)	0.16	0.16
Maximum thrust (N)	600	900	400	670
Duty cycle (%)	60	60	30	30
Pinion	M4-Z18	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (Kg)	16	18	14	15
Protection degree (IP)	44	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	10	10

ayros kit

Selection guide

			Kit MODEL ▼		PHOX2		MR2		SENSIVA-XS		LUMOS-M		ACC009	Kit CODE ▼
24V	600 Kg		Kit Light AYROS600D-24V	■ ■	■									30C072
			Kit Full AYROS600D-24V	■ ■	■		■		■		■			30C073
	1000 Kg		Kit Light AYROS1000D-24V	■ ■	■									30C074
			Kit Full AYROS1000D-24V	■ ■	■		■		■		■			30C075
230V	400 Kg		Kit Light AYROS400D-230V	■ ■	■									30C076
			Kit Full AYROS400D-230V	■ ■	■		■		■		■			30C077
	800 Kg		Kit Light AYROS800D-230V	■ ■	■									30C078
			Kit Full AYROS800D-230V	■ ■	■		■		■		■			30C079
	1200 Kg		Kit Light AYROS1200D-230V	■ ■	■									30C104
			Kit Full AYROS1200D-230V	■ ■	■		■		■		■			30C105