

Alutech**LEVIGATO**

DRIVE KITS

for automation of garage doors

The Alutech**LEVIGATO** series drives for garage doors offer bright innovative design, advanced technology and long service life.





The Alutech **LEVIGATO** series drives are designed for automating sectional garage doors of up to 18.6 m² in area. The series is represented by standard and high-speed models. The drives of this series can be equipped with a belt or chain guide rail, which allows automating doors up to 3.3 m high.

Alutech**LEVIGATO** series features

1 Functionality

- Setting of intermediate position—pedestrian mode.
- Auto-close functions: by time, by photocells, in pedestrian mode (incl. by photocell).
- Setting of drive power limit: for opening and closing.
- Setting of movement speed: for opening and closing.
- Setting of acceleration and deceleration speed: for opening and closing.
- Periodic automatic control of the correct setting of end positions: 1 time in 100 cycles.
- Phototest function.
- Safety edge is disabled at a specified distance from the 'Closed' position (floor level).
- Indication of basic failures on the control unit display.
- Connection for outdoor illumination of the area outside the garage.
- Remote control of drive lighting and other exterior illumination, turns off via the adjustable delay timer.
- Mechanical unlocking for manual operation of the door in the event of power outage.
- Built-in electronic sensitivity protection system.



Additional accessories:

- photocells (for opening or closing),
- signal lamps,
- safety edge (optosensors or resistive mode),
- rechargeable battery.



Operating mode of signal lamp and illumination:

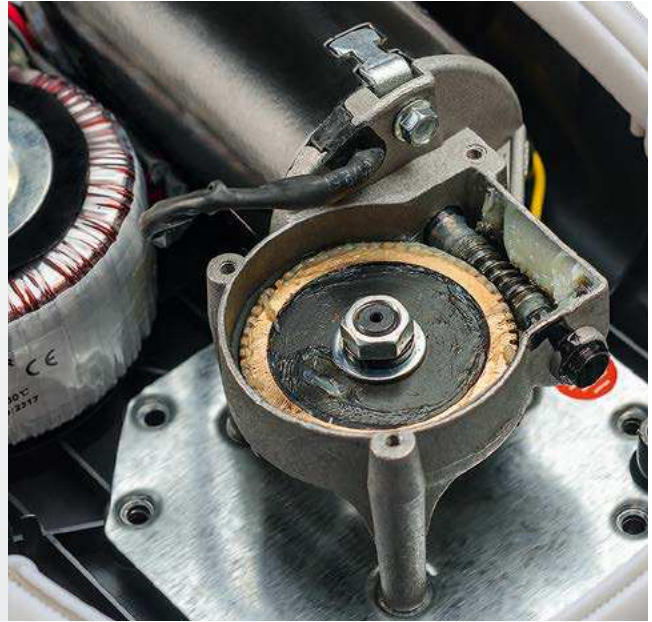
- with or without flashing,
- setting the pre-flashing time before the door starts moving,
- setting of the illumination operation time after the door stops moving (0–500 s),
- switching from the signal lamp operating mode to the illuminating lamp mode.

2

Operational reliability and durability

- Operational safety: compliance with the European safety standards for automated doors.
- Performance in the wide voltage range: 160–270 V*.
- The steel worm gear engages with a bronze worm wheel designed for at least 30 000 cycles (20 years of daily operation with 4 opening and closing cycles).
- Powerful feed from toroidal transformer with minimal losses.
- Built-in drive overheating protection.
- Rigid and reliable rail with additional fixing points preventing from rail deflection when using high heavy doors.

* At 160 V voltage the door movement speed might be reduced.



3

Maximum ease of putting into service

- Simple user-friendly programming interface.
- Setup menu on the casing.
- Indication of settings and commands on the control unit display.
- Quick automatic setting of end positions and remote controls recording (express setting: one-touch with 5 s hold).
- Convenient modes of setting and removing remote controls from the device memory.



4

Stylish and elaborate design

- State-of-the-art drive housing design developed by a leading Italian design studio.
- Use of quality materials.
- Precision made motor casing.
- Bright and durable built-in LED lighting (1 metre—60 LEDs).



Automatisierung
von Garagentoren

Automatisierung
von Schiebetoren

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Automatische
Torschranken

Specifications

Alutech**LEVIGATO** series drives

Characteristics	LG-600F-868	LG-800-868	LG-1000F-868	LG-1200-868
Maximum pulling force, N	600	800	1000	1200
Rated pulling force, N	300	350	400	450
Maximum automated door area*, m ²	8.4	11.2	16	18.6
Maximum door opening speed, m/s	0.2	0.15	0.2	0.15
Speed at nominal force 150 N, m/s	0.185	0.128	0.185	0.128
Rated power consumption, W	280	220	400	330
Maximum power consumption in standby mode (without accessories), W	2			
Motor, V	24			
Power supply	230 V ± 10%; 50 Hz			
Maximum use intensity, cycles / hour	18	18	18	18
Time of continuous operation, min	min. 20			
Drive protection rating	IP20			
Drive protection class	I			
Operating temperature range, °C	-20...+50			
Resource (not less than), cycles	30 000			
Net weight, kg	4.94	4.67	5.46	5.25
Gross weight, kg	6.6	6.3	7.1	6.9

* The maximum area is indicated for ALUTECH garage doors.

Order code structure

Maximum pulling force
Radio control with 868 MHz frequency in the kit

LG-600F-868

Shorthand name of Alutech**LEVIGATO** series

Modification:
F—high-speed (fast)

Rail length, mm

LGR-3300B

Shorthand name of the series and product:
LG—Alutech**LEVIGATO**, R—rail

Rail type:
B—belt,
C—chain

Delivery scope



Electric drive with built-in control unit and radio receiver.*



2 remote controls AT-4N-868 (868 MHz).

Alutech **LEVIGATO** series drive rails

Characteristics	LGR-3300B	LGR-3600B	LGR-4200B	LGR-3300C	LGR-3600C	LGR-4200C
Type	Belt			Chain		
Length, mm	3300	3600	4200	3300	3600	4200
Net weight, kg	5.7	6.6	7.4	7.0	7.4	8.4
Gross weight, kg	6.5	6.9	7.8	7.5	7.9	8.7

Applicability of Alutech **LEVIGATO** drives and guide rails with ALUTECH garage doors

Order code	Door characteristics* mm	Door series Classic, Trend			Door series ProTrend, AluTrend, ProPlus, AluPro, AluLine, AluTherm	
		with tension springs	with torsion springs. Mounting type			
			standard	low	high	low
LG-600F	HR _{min}	130	210	130	500	130
LG-800						
LG-1000F						
LG-1200						
LGR-3300C / LGR-3300B	H _{max}	2400	2400	2350	2300	2350
	W	3650	3650	3650	3650	3650
LGR-3600C / LGR-3600B	H _{max}	2700	2700	2650	2600	2650
	W	3950	3950	3950	3950	3950
LGR-4200C / LGR-4200B	H _{max}	3300	3300	3250	3250	3250
	W	4550	4550	4550	4550	4550

* H_{max}—maximum door height,
 HR_{min}—minimum height of rail positioning,
 W—dimensions of drive positioning.



Mounting kit.

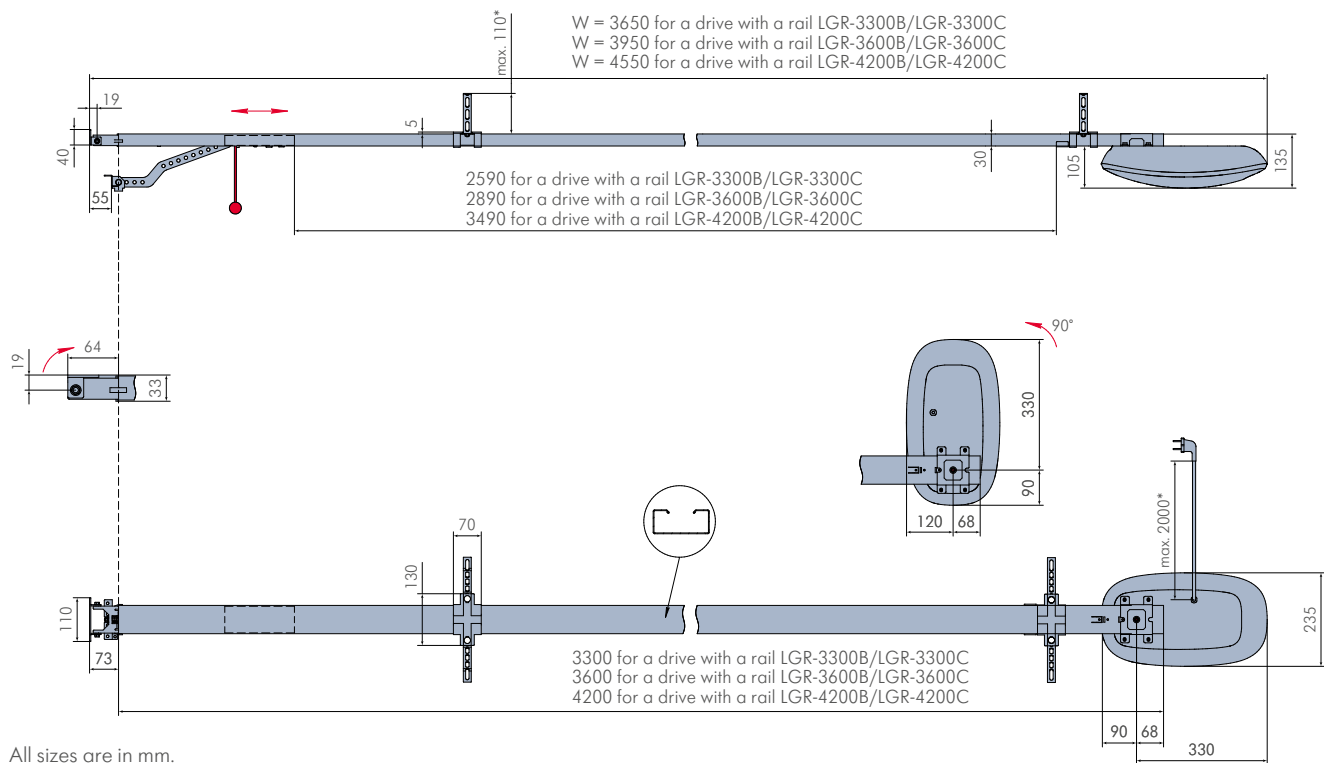


Assembly and operation manual.

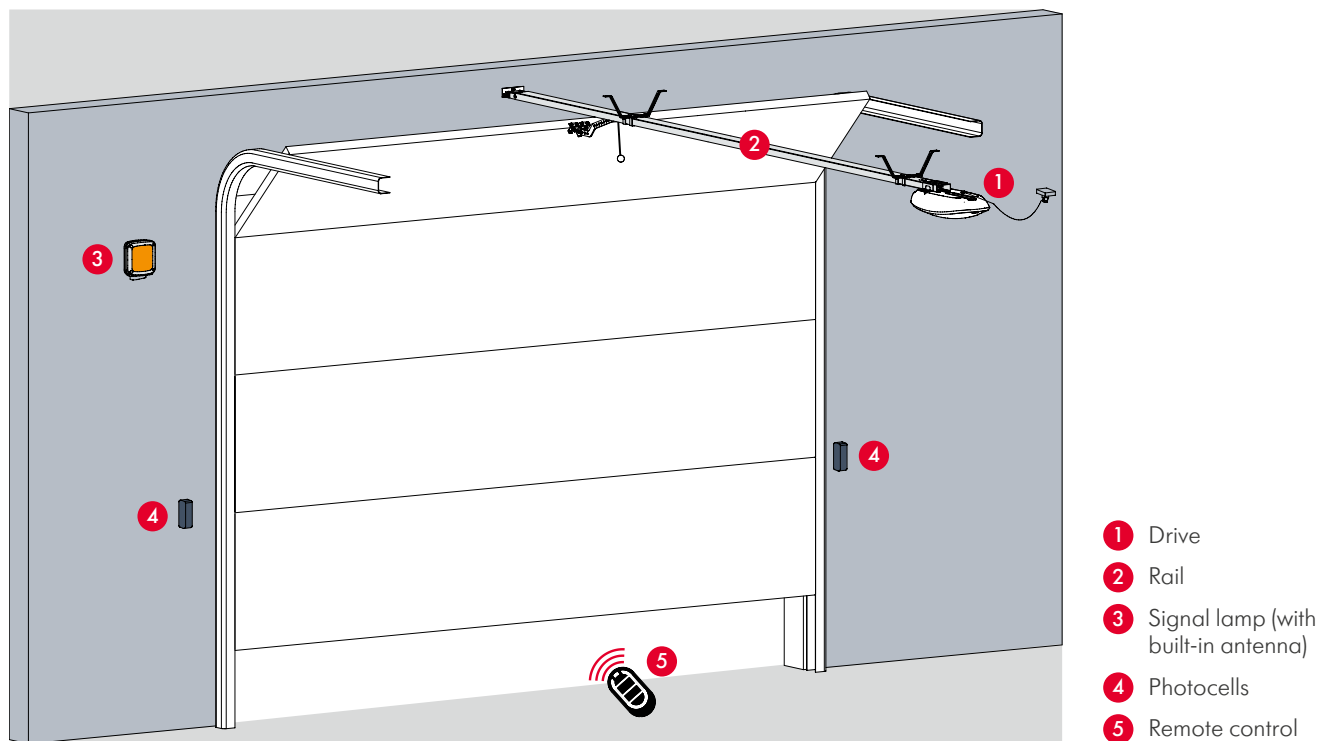
! The drive rail is not included in the delivery and is shipped separately.



Sizes

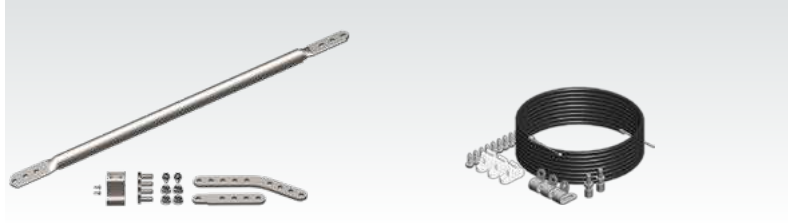


Example of a typical door automation

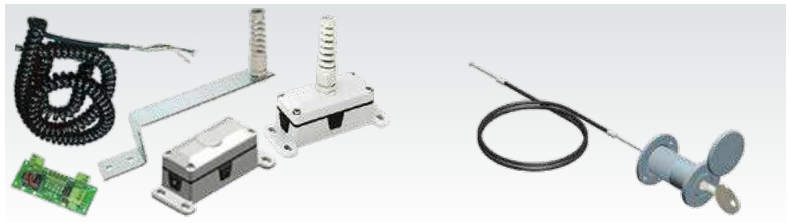


Additional accessories

■ Accessories for garage door drives



LGE-1000 / LGE-1500	RK-4500 / RK-6000
Extension rod for high door installation	Release cable



A-box / ADS	RM0104-4500
Switching kit	Release cable with lock

■ Safety devices



LM-L	SL-U	315048, 315049	SGTRC.15-193 / SGTRC.15-229 / SGTRC.15-265
Photocells	Signal lamp	Optosensors (transmitter, receiver)	Safety light curtain set (193 / 229 / 265 mm long)

■ Radio control



AT-4N-868
Remote control 4-channel 868 MHz ALUTECH



AR-1-500N-868
Universal receiver 868 MHz

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