

Trigon K



G-WAY
BUS

ENV
PATENT



GEARMOTOR FOR FOLDING DOORS

- Rotation of the output pin combined with a telescopic arm moves the door, ensuring it locks at closure.
- Patented virtual encoder and G-WAY Bus (with Brain 15 control board or Brain 17).
- The electrical limit-switches at opening and closing (optional), with simple adjustment facility are easy to install.
- The release system with customised key enables the door to be moved by hand, also in case of a power cut.
- For application on large folding doors with two panels, up to 3m in width and max. height of 5 m.

Code	Name	Version	Voltage	Max. door (bxh)
6170152	Trigon K	Non-reversible	230V	3 X 5 m.
6170153	Trigon K - 24	Non-reversible	24V	3 X 5 m.

OPERATOR DIMENSIONS

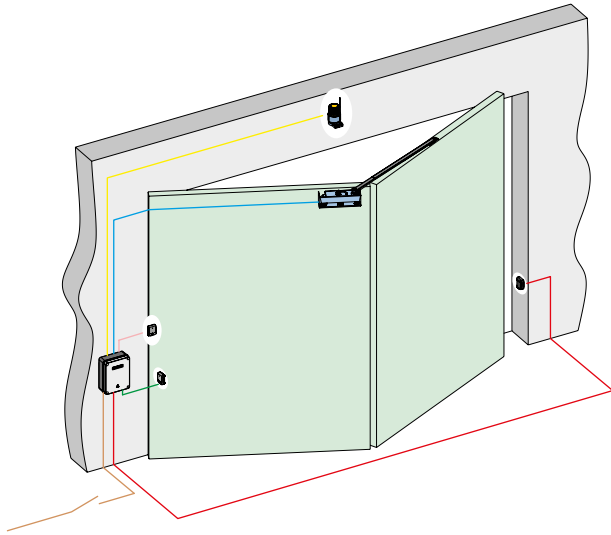


Technical Specifications	Trigon K	Trigon K - 24
Power supply (V)	230	
Electric motor (V)	230	24
Power (W)	280	40
Current (A)	1.2	2
Thermal Protection (°C)	140	-
Capacitor (µF)	8	-
Angular speed (°/sec)	8	-
Frequency of use at 20 °C	S3 - 30%	100%
Shaft rated torque (Nm)	250	200
Operating ambient temperature (°C)	-20 +55	
Gearmotor weight (kg)	11.5	
Protection class	IP44	

CONTROL BOARDS

Brain 17	Page 66
Brain 592	Page 66
Brain 15	Page 67

ELECTRIC WIRING DIAGRAM



- Line3x1,5 mm²
- Motor*4x1,5 mm²
- Flashing lamp2x1,5 mm²
- Selector2x0,5 mm²
- TX photocells2x0,5 mm²
- RX photocells4x0,5 mm²

* For 24Vdc motors, use 2x2.5 mm² cables - max. distance between motor and control unit 10 m

TYPICAL INSTALLATION EXAMPLE

Q.ty	Material description	Part number
1	Trigon K motor	6170152
1	Telescopic arm	00058P0656
1	Electronic Control Board BRAIN 17	6100304
1	RQFZ 868 MHz Frequency Module	6100146
1	Four-Channel Transmitter KILO TX2 JLC	6100332
1	230V GUARD Flashing Lamp	6100052
1	VEGA Photocells	6100147
1	QUICK 1 key-operated selector for outdoor use	JA31101-15

ACCESSORIES



LIMIT SWITCH
For motor closing or opening limit stop.

Code **58P0653**



ARM
Folding door telescopic arm kit.

Code **58P0656**



INTERNAL RELEASE KIT
Internal release kit for folding door with 5 m cable and release knob.

Code **58P0658**



EXTERNAL RELEASE KIT
External release kit for leaf door and folding gate with 5 m cable. N.B. Kit to be assembled together with safety enclosure.

Code **58P0659**



BATTERY KIT
With recharging board.
Only for 24V models

Code **6100144**