



# BLACK 800 BLACK 1000

## OPERATOR FOR GARAGE DOORS

### AT A GLANCE

Operators for up-and-over and sectional doors

Suitable for garage doors up to 14 m<sup>2</sup> (BLACK 800)  
and for heavy doors up to 17 m<sup>2</sup> (BLACK 1000)

Clearly arranged 3-button programming

Combinable with all rail systems by TORMATIC

Automatic closing function is adjustable

Rapid action function up to 24 cm/sec.

Smooth running due to ramp function

High-class Door-Select-Function



### THE SET

Motor head BLACK 800 (800 N)  
or BLACK 1000 (1000 - 1200 N)

Fitting for up-and-over and  
sectional doors

Transmitter BLACK Remote (BLACK 800: 2 x Transmitters) **★ 1)**

Receiver module (pluggable)



### Name

### Item no.

BLACK 800 set

202800-01-1-50

BLACK 1000 set

202500-01-1-50

1) Hand transmitter BLACK is approximately available from 4th quarter 2017.  
The MAX 43-2 (64-BIT codification) is included in the actual scope of delivery.

**POWER & PERFORMANCE BLACK 800 | BLACK 1000**

Push and pull force	800 N		1000 - 1200 N
Supply voltage	230 V / 50 Hz		
Operating current	1.25 A		2 A
Power consumption at work	240 W		410 W
Power consumption at rest	< 0.5 W		
Running speed	17 - 24 cm/sec.		
Duty cycle	30 % ED		
Lighting	1.6 W LED		<b>LED</b>
Lighting phase during operation	60 sec., factory-set		

**DETAILS**

**BLACK 800 | BLACK 1000**

Packaged dimensions (H/W/D)	45.8 / 22.9 / 15.3 cm		
Packaged weight	6.4 kg		8.4 kg
Safety systems	Automatic force adjustment		
Max. running time	Motor switch off after 90 sec.		
Blocking	Detection of motor shut down		
Connecting further safety features	Standard		
Gear	Self-locking worm-gear		
Quick release	Possible		
Operating temperature	- 20° C / + 60° C		

**FUNCTIONS**

Control unit	Micro-processor controlled Soft Start / Soft Stop Automatic closing
Control sequence	1 <sup>st</sup> pulse = operator is running 2 <sup>nd</sup> pulse = operator stops 3 <sup>rd</sup> pulse = direction reversal
Radio control	433 MHz, KeeLoq rolling code
Lighting via 2nd channel	Approx. 4 minutes
Accouterment	Adjustable lighting from 60 sec. to 4 min. or warning light, Ventilation position, High-class Door-Select-Function
Automatic cut-out	10-step force limitation adjustable for both directions
End-stop cut-out	Microprocessor-controlled detection of running way system, feat. position control
Protection category	IP 20 (for dry rooms only)

