

# PHOBOS-BT/MA

For swing gates, maximum length up to 1,8 m, weighing up to 250 kg, for RESIDENTIAL USE.

The **PHOBOS** actuator  
will substitute the **PROTON** actuator



PHOBOS-BT/MA

#### **PHOBOS. Technical Data:**

Power supply: 230V single phase,  $\pm 10\%$  50Hz  
Absorbed Power: 210W  
Impact reaction: electronic clutch on control panel  
Protection level: IP44  
Operator weight: 5 Kg  
Control board: ALTAIR  
The ALTAIR control board includes a 64 rolling code receiver.

#### **PHOBOS BT. Technical Data.**

Power supply: 24V single phase  
Absorbed Power: 40W  
Impact: electronic torque limiter  
Protection level: IP44  
Operator weight: 5 Kg  
LIBRA Control Board  
The LIBRA panel includes a 64 rolling code receiver

#### **PHOBOS MA. Technical Data.**

Power: 230V single phase,  $\pm 10\%$  50Hz  
Absorbed Power: 210W  
Impact reaction: Obstacle detection device  
Protection level: IP44  
Operator Weight: 5 Kg  
ALTAIR MA Control Board  
The ALTAIR control board includes a 64 rolling code receiver.

As compared to the **PROTON**...

1. The **NEW DESIGN** transforms the PROTON into the new PHOBOS and PHOBOS MA series and family.
2. Complete with **electronic torque limiter** (PHOBOS BT), **obstacle detection device** (PHOBOS MA), **magnetic limit switches** (PHOBOS MA, PHOBOS BT).

#### **The PHOBOS KIT includes:**

- 2 PHOBOS** pistons (substitutes PROTON)
- 1 ALTAIR** control panel (substitutes ARIES)
- 1 130 CELL** photocell (substitutes FL130)
- 1 MITTO 2** 433 Mhz rolling code remote control (substitutes the TO2)
- 1 INTRO** key selector (substitutes PC2)
- 1 LAMPO PA** blinker, (substitutes PULSAR PA)
- 1 SL433** antenna (substitutes ST 30.8).

#### **PHOBOS BT KIT-24V.** The KIT includes:

- 2 PHOBOS BT** pistons
- 1 LIBRA** control panel
- 2 CELLULA** 130 photocells
- 1 MITTO2** 433 Mhz rolling code remote control
- 1 INTRO** key selector
- 1 LAMPO PA** 24V blinker
- 1 SL433** antenna

NB: The batteries and battery charging board for operation of the pistons in the absence of electric power is optional.