

INDUSTRIAL OPERATOR

# BIUNO

BT

**DC**  
MOTOR

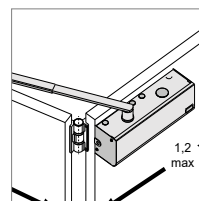
For swing and  
folding doors

Opening  
time  
16 s



## **P-650BIUNO-BT dx/sx**

Irreversible gear motor for swing or folding doors in low voltage with encoder, complete with fixing bracket to the door (arm excluded).



**Accessories for  
BIUNO series**  
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Transmitters Page 222  
Photocells Page 228  
Flashing lights  
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MADE IN  
ITALY

## FEATURES:

- commercial use
- low voltage DC motor
- optical encoder technology

## PROS:

- obstacle detection and crush prevention
- in accordance with EN 12453 standards
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use
- soft start and soft stop
- irreversible door operator
- adaptive controller for the different seal problems
- auto-learning of the door stroke through optical encoder



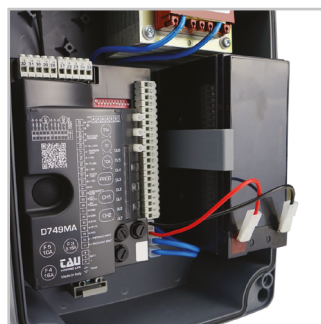
### MOTOR

Low-voltage gearmotor, silent and suitable for intensive use. 100% duty cycle.



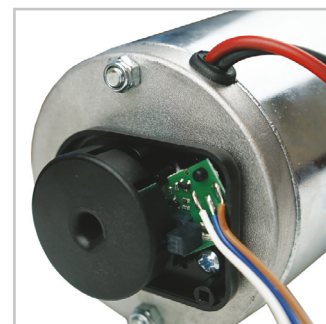
### GEARS

A reduction of seven gears, entirely of carbon steel, guarantees absolute torque and resistance.



### NO BLACK OUT

Possibility of managing low voltage operators using emergency battery kits, which in case of a blackout come into operation allowing the gate to complete or carry out maneuvers.

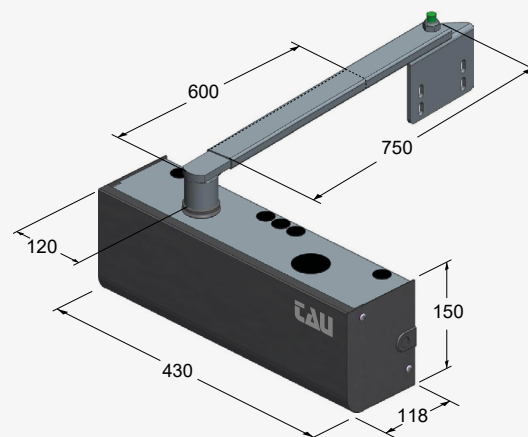


### OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the door stroke which doesn't require a limit switches.

| Technical features       | BIUNO-BT              |
|--------------------------|-----------------------|
| Power supply             | 230 V AC (50 - 60 Hz) |
| Motor power supply       | 18 V DC               |
| Open circuit voltage     | 1 A                   |
| Power rating             | 250 W                 |
| Duty cycle               | 100 %                 |
| Operating temperature    | -20° C ÷ +55° C       |
| Motor thermal protection | -                     |
| Degree of protection IP  | IP 40                 |
| Opening time 90°         | 16 s                  |
| Reduction ratio          | 1/672                 |
| Max. folding door width  | 1,5 m                 |
| Max. swing door width    | 2 m                   |
| Gearmotor weight         | 11 Kg                 |

## TECHNICAL DRAWINGS

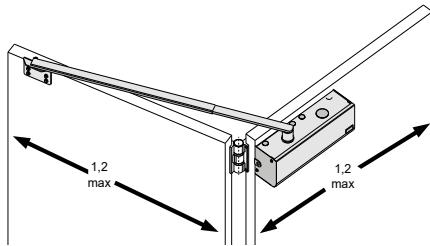


# ACCESSORIES

## GUIDE TO THE SELECTION OF THE TRANSMISSION SYSTEM

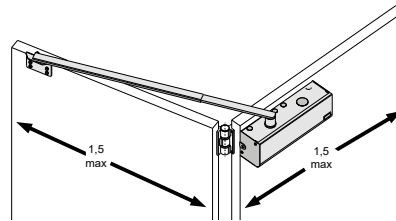
### P-650BTB1

Telescopic arm for folding doors up to 1.2 m



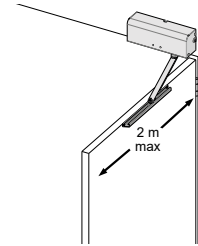
### P-650BTB1L

Telescopic arm for folding doors up to 1.5 m



### P-650BRCEB1

Transmission arm with sliding guide for swing doors up to 2 m



## COMMON ACCESSORIES



### P-750COP2

Control unit box cover with 2 command buttons



### P-750COP3

Control unit box cover with 3 command buttons



### P-300PPI

Heavy duty pushbutton panel



### P-650SVB1

Release with knob (from inside the building)



### P-550MS

Release system (from inside the building)



### P-900VLED

Low voltage 12-18-24 V DC white led flashing light



### C-CRT

Warning signal



### P-250BLUEWAY

Multi-function interface connecting TAU control units to a smartphone or PC via Bluetooth, enabling the configuration and management of control units and radio memories through TauApp 2.0

NEW



### P-900OPTIC

Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



### P-250T-CONNECT

Ethernet + Wi-Fi device - to enable through Tau Open 2.0 application, the use of the smartphone remotely, to open/close and check the status of the gate

## ACCESSORIES FOR 18/24 VOLT



### **P-750D749MA**

Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



### **P-750D749MA-R**

Electronic control unit for 1-2 DC fast operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



### **K-200BATT**

12 V back-up battery, 7,2 Ah with cable



### **K-030KITKB20**

Battery cables kit (20 pcs)

## ACCESSORIES FOR 230 V AC



### **P-750D770M**

Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

## Use and maintenance manuals



BIUNO



D749MA



D749MA-R



D770M