

INDUSTRIAL OPERATOR

BIUNO

BT

DC
MOTOR

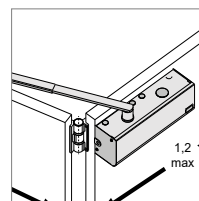
For swing and
folding doors

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**
Page 158



Further accessories:
Transmitters page 238
Photocells page 243
Flashing lights
page 246



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.



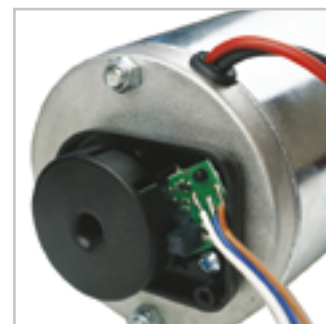
GEARS

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

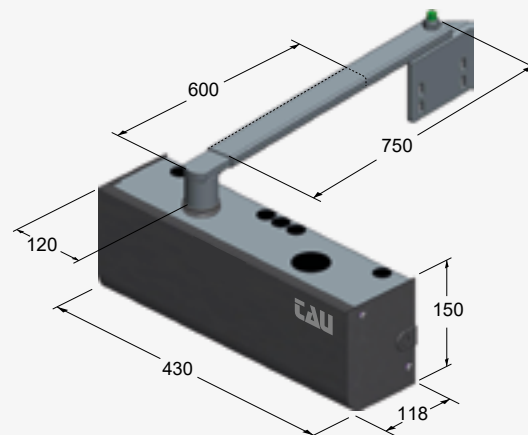
Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the door stroke which doesn't require a limit switches.

TECHNICAL DRAWINGS

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 |

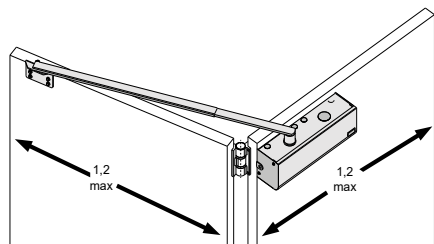


ACCESSORIES

GUIDE TO THE SELECTION OF THE TRANSMISSION SYSTEM

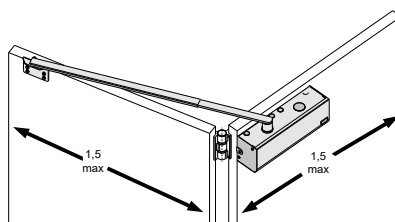
P-650BTB1

Telescopic arm for folding doors up to 1.2 m



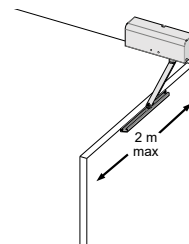
P-650BTB1L

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

External release with knob



P-550MS

Release system



P-900VLED

Low voltage 12-18-24 Volt white led flashing light



C-CRT

Warning signal



P-250T-WIFI

Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp



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 VOLT



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