

FORB - IGEA LB BT

ELECTROMECHANICAL AUTOMATION FOR INDUSTRIAL SECTIONAL DOORS



Opens the future



FORB

• A MODEL FOR EVERY NEED.

→ Several versions available for automating large doors.

• SAFE USE.

→ Hydraulic antisquashing system.
 → Hydraulic locking on closing and internal release (also external with optional SEB accessory).
 → Incorporated slowdown device (only on FORB R).

IGEA LB SERIES

• SMART TECHNOLOGY.

→ Control unit compatible with the EElink protocol.

• SAFE USE.

→ Specially designed for simpler and faster installation in compliance with the safety standards laid down by the Machinery Directive (IGEA LB BT).

→ Thanks to the antisquashing system, the operator inverts motion and prevents damage to people and property in the event of contact (IGEA LB BT).

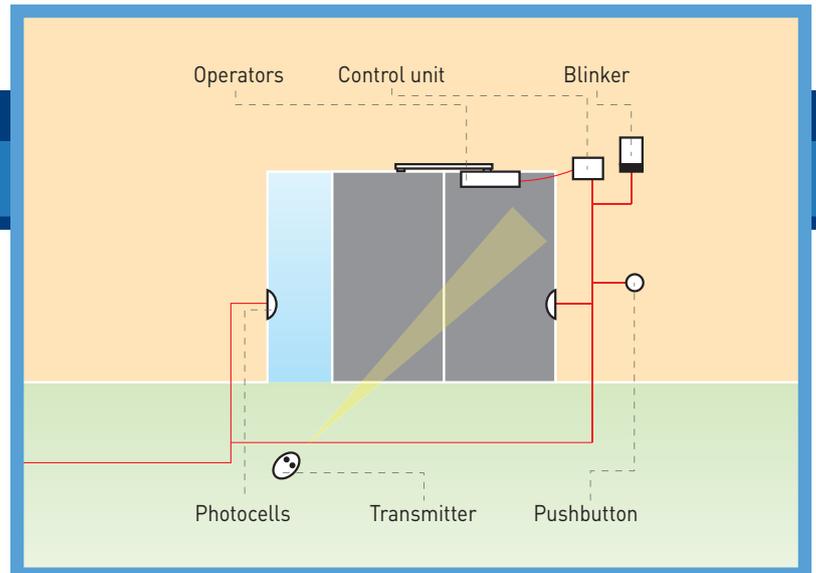
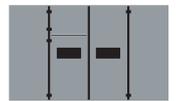
• SIMPLER INSTALLATION.

→ BFT's system of coded limit switches makes it possible to reduce the complexity of wiring the low-voltage motors: a single wire is carried to the control panel instead of the three normally required, thereby increasing the simplicity and speed of installation. Furthermore, the system is able to automatically distinguish between the open limit switch and the closed one and hence prevent wasted time and wiring errors (IGEA LB BT).

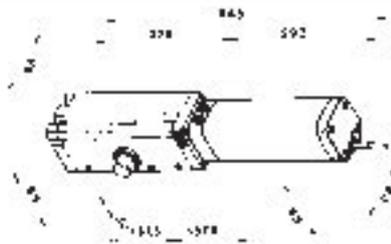
CODE	DESCRIPTION	VOLTAGE	DOOR WEIGHT
P935019 00001	FORB R	230 V	720 N = 2,4 m ² (2 operators)
P935072 00002	IGEA LB BT	24 V	from 2000 N (~200 kg) to 2500 N (~250 kg)

TECHNICAL FEATURES

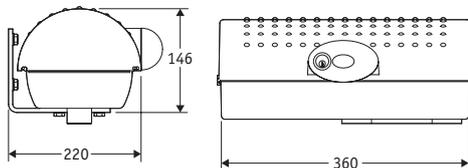
	FORB R	IGEA LB BT
CONTROL PANEL	RIGEL 5 (suggested)	LIBRA C MA
REVERSIBLE/IRREVERSIBLE OPERATOR	irreversible	irreversible
POWER SUPPLY	230 V ~ ± 10%, 50 Hz single-phase	24 Vdc
ABSORBED POWER	250 W	40 W
THERMAL PROTECTION	integrated	integrated in the control unit
OPENING OR CLOSING TIME	13 s + slow down	15 s
OUTPUT REVOLUTIONS	2,4 min	1,8 min
REDUCTION RATIO	-	1/812
MAX TORQUE	320 Nm	300 Nm
IMPACT REACTION	hydraulic friction	torque limiter integrated in the control panel RIGEL 5
TYPE OF LIMIT SWITCHES	-	incorporated electric limit switch
MANUAL RELEASE	lever	release knob
OPERATING CYCLE	very intensive use	intensive use
ENVIRONMENTAL CONDITIONS	from -15°C to + 60°C	from -15°C to + 60°C
DEGREE OF PROTECTION	IP20	IP4X
OPERATOR WEIGHT	130 N (~13 kg)	120 N (~12 kg)
DIMENSIONS	see drawing	see drawing



DIMENSIONS FORB



DIMENSIONS IGEA LB BT



ACCESSORIES



D113693 00003 - RIGEL 5

- Universal control panel suitable for one or two 600W/230V motors (max 600+600W).
- Easy to wire also for centralised

connections thanks to extractable terminals and the AUTODIAGNOSIS function. • Safety thanks to control of braking and the motor torque. • Complete with extractable 2-channel receiver, ready for fast coupling to receivers with greater capacity and advanced functions. • Total control of programming by digital display and three simple buttons.



D113672 00005 - LIBRA C MA

- Universal control panel for one or two 24V motors with limit switch with 1 or 2 wires.
- Easy to wire also for

centralised connections, thanks to extractable terminals, and the AUTODIAGNOSIS function. • Safety thanks to electronic antisquashing control with amperometric detection. • Complete with incorporated two-channel receiver, ready for serial management, back-up battery and electric lock. • Total control of programming by digital display and three simple buttons. • Easy setting using the AUTOSSET function which allows automatic setting of the operating parameters.



P125005 - BT BAT

Thanks to the back-up batteries and battery charger, the BT BAT kit guarantees low voltage operation of the leaf in the event of power failure (LIBRA C MA, HYDRA R).



D113703 00002 - ALTAIR P

- Universal control panel for one or two motors up to 230V/0.5 HP of the electromechanical swing type.
- Easy wiring also for

centralized connections, thanks to the extractable terminal blocks and the AUTODIAGNOSTICS function. • Security thanks to motor torque control, regulation of the working time for pedestrians and locked shut maintenance. • Complete with incorporated 2-channel receiver and input for pedestrian opening. • Total control of programming by digital display. • Easy setting by means of three simple buttons for programming logic and parameters. Easy to use on pre-existing systems thanks to total compatibility with ALTAIR.



D113680 00002 - ALPHA SD

- Ideal control panel for one or two motors up to 230V/0.5 HP of the sliding, swing and shutter type.
-

Easy wiring thanks to extractable terminals blocks. • Safety thanks to the AUTODIAGNOSIS function with LEDs for detecting faults. • Complete with integrated two-channel receiver, pedestrian management, can manage a second snap-in receiver with advanced function. • Analogue programming for the operating parameters and digital for managing the radio system. • Easy use with previous systems thanks to total compatibility with MIZAR.



P111408 - SCS WIE

Circuit board for direct connection of wiegand accessories (such as SELETTI, COMPAS SLIM, etc) to the control units QSC D MA, LIBRA C MA, LIBRA C MV, LIBRA C LX, VENERE D, LEO D MA, LEO MV, RIGEL 5 and ALTAIR P.



P111376 - SCS 1

Serial connection board for QSC D MA, LIBRA C MA, LIBRA C MV, LIBRA C LX, VENERE D, LEO D MA, LEO MV, RIGEL 5 and ALTAIR P.



P111407 - FALCON

Industrial presence sensor. Provided with a 6m cable. TELECOMANDO needed for programming.



N733020 - SEB

External key release for BERMA, FORB and IGEA LB BT models.