

PHOBOS SERIES

ELECTROMECHANICAL AUTOMATION FOR SWING GATES



Open the future



• SMART TECHNOLOGY.

→ Magnetic limit switches and release, efficient even at low temperatures (PHOBOS N and PHOBOS N BT).

→ Only 18 seconds for 90° opening (PHOBOS N and PHOBOS N BT)

→ Control unit compatible with the EELink protocol.

• SAFE USE.

→ The version powered at 24V has been specially designed for simpler and faster

installation in compliance with the safety standards laid down by the Machinery Directive.

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

→ The operator is supplied without cable to reduce the installation times (PHOBOS N and PHOBOS N BT)

CODE	DESCRIPTION	KIT	VOLTAGE	LEAF WEIGHT	LEAF LENGTH
P935066 00004	PHOBOS N BT		24 V	up to 2500 N (~250 kg)	up to 1,80 m
R935247 00002	PHOBOS N BT COMPLETE KIT●		24 V	up to 2500 N (~250 kg)	up to 1,80 m
P935074 00003	PHOBOS N L BT		24 V	up to 2500 N (~250 kg)	up to 5 m (with electric lock) *
R935254 00005	PHOBOS N L BT COMPLETE KIT ●		24V	up to 2500 N (~250 kg)	up to 5 m (with electric lock) *
R935017 70001	PHOBOS N L BT DOUBLE KIT ●		24V	up to 2500 N (~250 kg)	up to 5 m (with electric lock) *
R935005 70001	PHOBOS N L BT SINGLE KIT ●		24V	up to 2500 N (~250 kg)	up to 5 m (with electric lock) *
P935067 00004	PHOBOS N		230 V	up to 2500 N (~250 kg)	up to 1,80 m

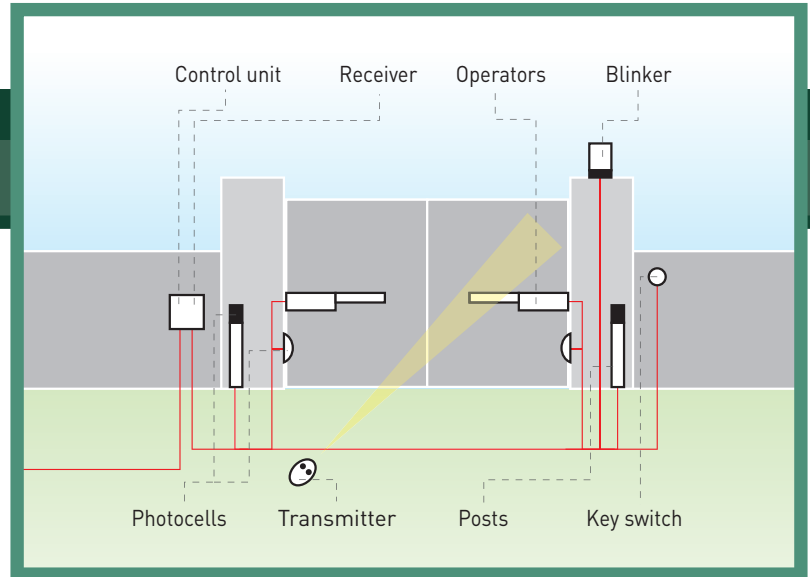
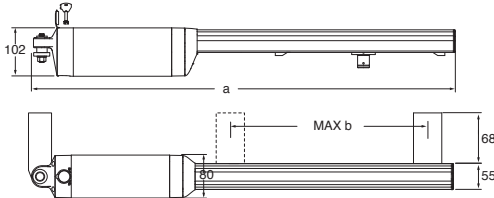
* up to 3m without electric lock

TECHNICAL FEATURES

	PHOBOS N BT	PHOBOS N L BT	PHOBOS N
CONTROL PANEL	LIBRA C MA	LIBRA C MA	ALTAIR P (suggested)
REVERSIBLE/IRREVERSIBLE OPERATOR	irreversible	irreversible	irreversible
POWER SUPPLY	24 Vdc	24 Vdc	230 V~ ± 10%, 50 Hz single-phase
ABSORBED POWER	40 W	40 W	210 W
THERMAL PROTECTION	integrated in the control unit	integrated in the control unit	integrated
ROD WORKING STROKE	305 mm	410 mm	305 mm
ROD SPEED	20 mm/s	20 mm/s	20 mm/sec
OPENING OR CLOSING TIME	18 s	18 s	18 s
IMPACT REACTION	torque limiter integrated in the control unit	torque limiter integrated in the control unit	electronic clutch on control unit
TYPE OF LOCK	mechanical on opening/closing	mechanical on opening/closing	mechanical on opening/closing
MANUAL RELEASE	release key CLS	release key CLS	release key CLS
OPERATING CYCLE	intensive use	intensive use	semi intensive use
ENVIRONMENTAL CONDITIONS	from -20°C to + 50°C	from -10°C to + 50°C	from -2 0°C to + 50°C
DEGREE OF PROTECTION	IPX4	IPX4	IPX4
OPERATOR WEIGHT	50 N (~5 kg)	50 N (~5,0 kg)	50 N (~5 kg)-
DIMENSIONS	see drawing	-	-



DIMENSIONS



ACCESSORIES



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 AUTOSET function which allows automatic setting of the operating parameters.



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 centralised

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.



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).



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.



P111408 - SCS WIE

Circuit board for direct connection of wiegand accessories (such as SELETTO, 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.



D111761 - ME BT

12/24 Vac electric lock board for BT operators.



D111013 - ME

12 Vac electric lock board.



P123001 00001 - EBP

230 Vac electric lock with zero stop resistance. Also available in 50 mm, 75 mm versions and at 24V.



D121017 - ECB Left

Left-hand horizontal electric lock. Also available in right-hand and vertical versions.



N733347 - SFR L

Adjustable back fixing bracket for PHOBOS L / PHOBOS BT L, PHOBOS N L / PHOBOS N L BT.



N733286 - SFR

Adjustable back fixing bracket for PHOBOS N / PHOBOS N BT.



D730567 - PPE

Anchor plate used to weld PHOBOS model brackets



D610180 - CLS

Release key for LUX B, ORO, SUB, PHOBOS N and PHOBOS N BT models (10-piece pack).



N999404 - CABLE N BT

Power supply cable for PHOBOS N BT / N L BT.



N999405 - CABLE N

Power supply cable for PHOBOS N / N L.