

SUB SERIES

HYDRAULIC AUTOMATION FOR SWING GATES



Opens the future



• **A MODEL FOR EVERY NEED.**

→ Several versions available: irreversible with hydraulic locking (for holding when closed and open) and reversible (with use of an electric lock).

• **SAFE USE.**

→ Antisquashing protection guaranteed by two adjustable bypass valves.

• **SIMPLER INSTALLATION.**

→ The special foundation case makes it possible to remove the operator without taking off the gate leaf.

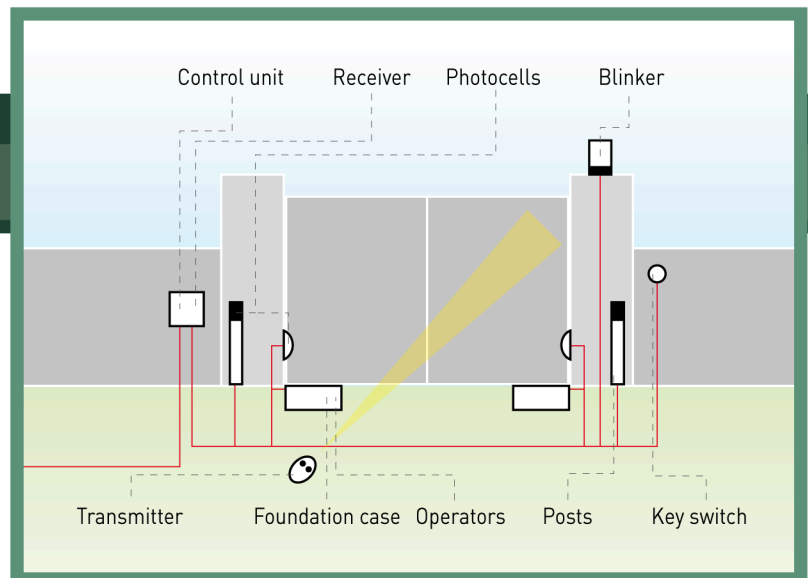
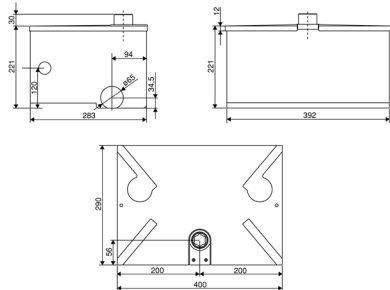
| CODE | DESCRIPTION | VOLTAGE | LEAF WEIGHT | LEAF LENGTH |
|---------------|-----------------|---------|------------------------|--------------|
| P930026 00001 | SUB SC RIGHT | 230 V | up to 8000 N (~800 kg) | up to 1.80 m |
| P930026 00002 | SUB SC LEFT | 230 V | up to 8000 N (~800 kg) | up to 1.80 m |
| P930012 00005 | SUB R SC RIGHT | 230 V | up to 8000 N (~800 kg) | up to 1.80 m |
| P930012 00006 | SUB R SC LEFT | 230 V | up to 8000 N (~800 kg) | up to 1.80 m |
| P930010 00005 | SUB G SC RIGHT | 230 V | up to 8000 N (~800 kg) | up to 1.80 m |
| P930010 00006 | SUB G SC LEFT | 230 V | up to 8000 N (~800 kg) | up to 1.80 m |
| P930013 00007 | SUB ER SC RIGHT | 230 V | up to 8000 N (~800 kg) | up to 2.50 m |
| P930013 00008 | SUB ER SC LEFT | 230 V | up to 8000 N (~800 kg) | up to 2.50 m |
| P930014 00005 | SUB EL SC RIGHT | 230 V | up to 8000 N (~800 kg) | up to 3.50 m |
| P930014 00006 | SUB EL SC LEFT | 230 V | up to 8000 N (~800 kg) | up to 3.50 m |

TECHNICAL FEATURES

| | SUB SC | SUB R SC | SUB G SC |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| CONTROL PANEL | ALCOR N (suggested) | ALCOR N (suggested) | ALCOR N (suggested) |
| REVERSIBLE/IRREVERSIBLE OPERATOR | irreversible | irreversible | irreversible |
| POWER SUPPLY | 230 V~ ± 10%, 50 Hz single-phase | 230 V~ ± 10%, 50 Hz single-phase | 230 V~ ± 10%, 50 Hz single-phase |
| ABSORBED POWER | 250 W | 250 W | 250 W |
| THERMAL PROTECTION | integrated | integrated | integrated |
| OPENING ANGLE | 130° | 130° | 180° |
| OPENING OR CLOSING TIME | 24 s | 14 s + slowdown | 33 s |
| SLOWDOWN | - | opening/closing | - |
| IMPACT REACTION | hydraulic clutch | hydraulic clutch | hydraulic clutch |
| TYPE OF LOCK | hydraulic opening/closing | hydraulic opening/closing | hydraulic opening/closing |
| MANUAL RELEASE | release key | release key | release key |
| OPERATING CYCLE | very intensive use | very intensive use | very intensive use |
| ENVIRONMENTAL CONDITIONS | from -10°C to + 60°C | from -10°C to + 60°C | from -10°C to + 60°C |
| DEGREE OF PROTECTION | IP67 | IP67 | IP67 |
| OPERATOR WEIGHT | 220 N (~22 kg) | 220 N (~22 kg) | 240 N (~24 kg) |
| DIMENSIONS | see drawing | see drawing | see drawing |
| | SUB ER SC | SUB EL SC | |
| CONTROL PANEL | ALCOR N (suggested) | ALCOR N (suggested) | |
| REVERSIBLE/IRREVERSIBLE OPERATOR | reversible | reversible | |
| POWER SUPPLY | 230 V~ ± 10%, 50 Hz single-phase | 230 V~ ± 10%, 50 Hz single-phase | |
| ABSORBED POWER | 250 W | 250 W | |
| THERMAL PROTECTION | integrated | integrated | |
| OPENING ANGLE | 130° | 130° | |
| OPENING OR CLOSING TIME | 14 s + slowdown | 33 s | |
| SLOWDOWN | opening/closing | - | |
| IMPACT REACTION | hydraulic clutch | hydraulic clutch | |
| TYPE OF LOCK | electric lock | electric lock | |
| MANUAL RELEASE | reversible | reversible | |
| OPERATING CYCLE | very intensive use | very intensive use | |
| ENVIRONMENTAL CONDITIONS | from -10°C to + 60°C | from -10°C to + 60°C | |
| DEGREE OF PROTECTION | IP67 | IP67 | |
| OPERATOR WEIGHT | 220 N (~22 kg) | 220 N (~22 kg) | |
| DIMENSIONS | see drawing | see drawing | |



DIMENSIONS



ACCESSORIES

**D113706 00002 - ALCOR N**

- Ideal control panel for one or two motors up to 230V/0.5 HP of the swing type.
- Easy wiring thanks to extractable terminals

- blocks.
- Safety thanks to the AUTODIAGNOSIS function with LEDs for detecting faults.
- Complete with incorporated two-channel receiver and pedestrian management.
- Programming upgraded with the following functions: locked shut maintenance, 3/4 step logic, pedestrian closure, separate opening/closing.
- Easy use with previous systems thanks to total compatibility with ALCOR SD.

**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.

**D113050 - SPL**

Preheating board for 1 or 2 LUX, SUB, ORO, P4,5-P7, BERMA and E5 operator models. With this accessory the operator is able to work at very low temperature.

**D111704 - SSR5**

Traffic light and preheating control board for RIGEL 5 control panel. The operator is able to work at -20° with this accessory.

**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.

**NEW 2008****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.

**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 SX**

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

**N733066 00003 - FCS right**

Bearing foundation case for SUB operator fitting. Maintenance can be carried out without disassembling the gate.

**NEW 2008****N733066 00004 - FCS left**

Bearing foundation case for SUB operator fitting. Maintenance can be carried out without disassembling the gate.

**N733092 - CPS G**

Bearing foundation case for either left hand or right hand SUB G operator fitting. Maintenance can be carried out without disassembling the gate.

**D610256 - CLS/82**

Release key for SUB model (10-piece pack).

**N728003 - IDROLUX R**

Red hydraulic oil, 2 lt can. Always fill up with oil of the same colour

**N728002 - BSC**

SUB arm outside hinge.