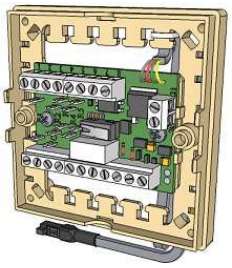
Technical manual
Mounting instructions

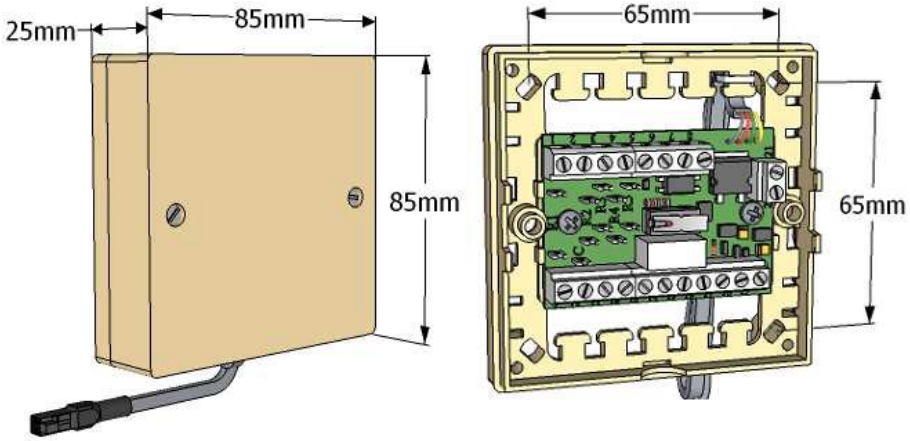


334 Interface/power supply box

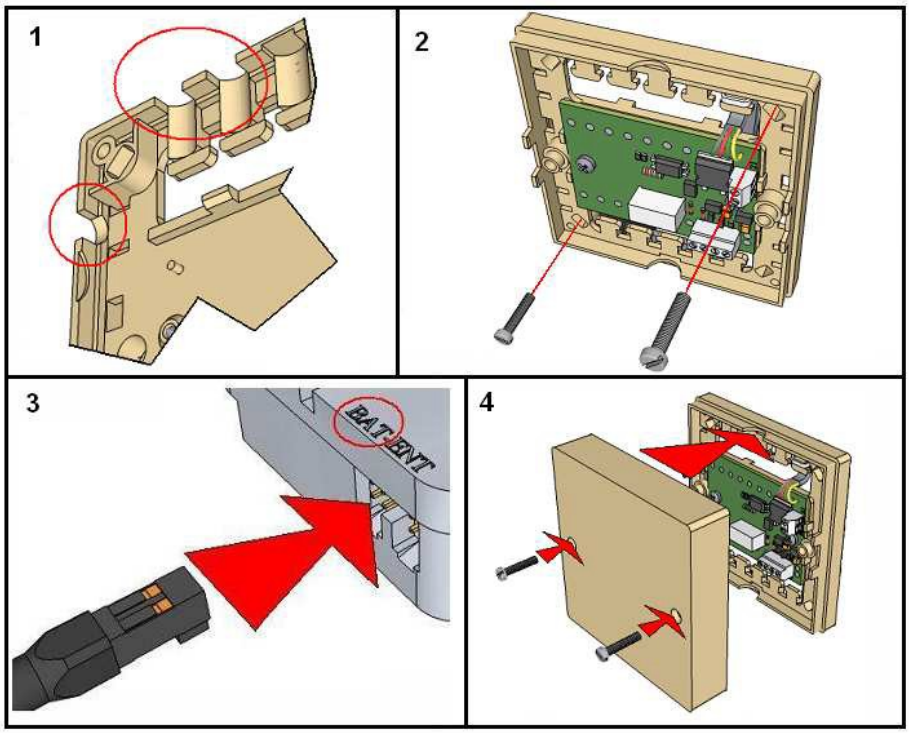
CHARACTERISTICS

The 334 box replaces the regular battery box when there is a need for a registrable interface between an alarm system and a safe/lock system that is equipped with soldering positions for end-resistors. The box is also equipped with a switch on lid for internal sabotage control. To get full functionality from this box the lock has to be fitted with a switch and door and back panel need to be fitted with magnets/switches (for position control). The box is VdS approved (G 196099).

DIMENSIONS / MOUNTING INSTRUCTIONS



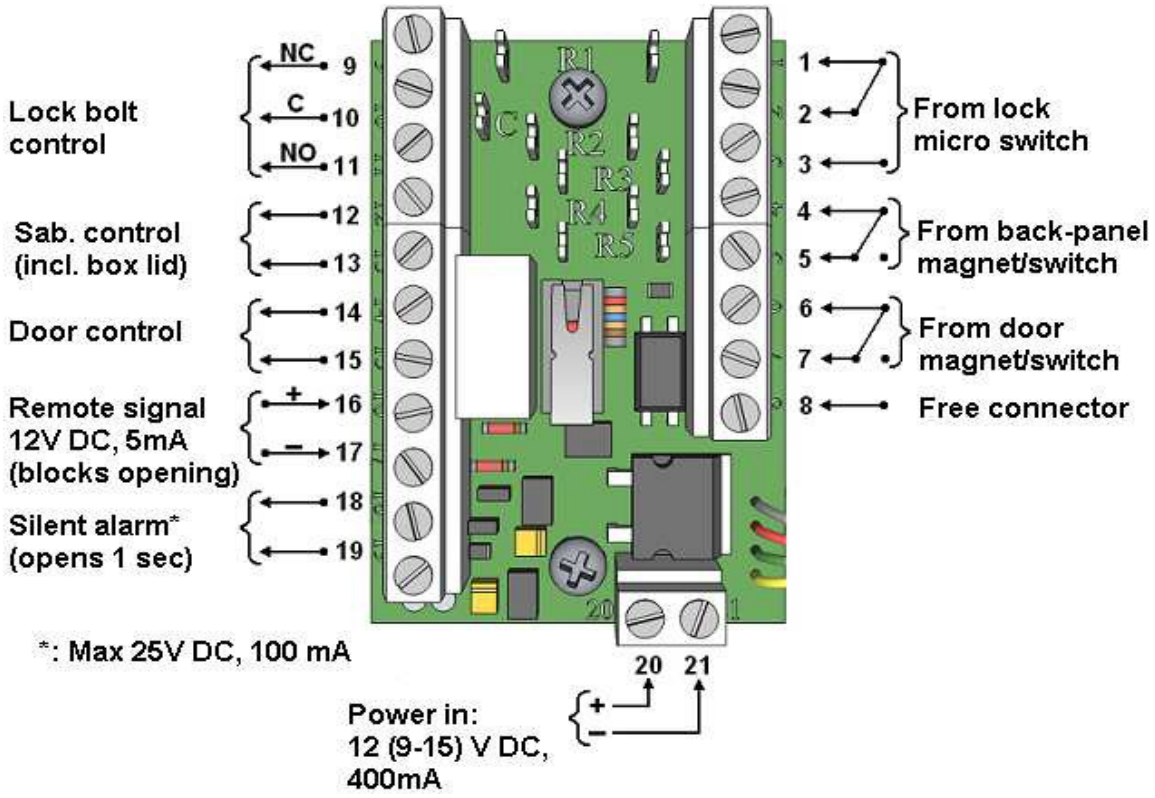
When deciding position to fit the boxes make sure that no moving part of boltwork will interfere with box or cable when in use. Cable length is approximately 350mm (usable). De-burr fixing holes (2x M3 screws min) and clean surfaces.



1. Cut out enough openings for the cables in the cover to be used on the underside of the base.
2. Fix box onto mounting surface using at least 2 screws.
3. Route and connect cable to BAT connection on lock making sure it snaps into position. Picture is for illustration only, BAT connection can be placed differently depending on lock fitted.
4. Connect external connections as needed (see connections on next page).Tie up loose cables in a professional way. Attach lid and secure it with the supplied screws.

CONNECTIONS:

NOTE! ALWAYS KEEP SAFE DOOR OPEN UNTIL INSTALLATION IS COMPLETELY FINISHED AND SEVERAL FUNCTION TESTS HAVE BEEN MADE!



Note: Resistor R1 to R5 are not included and must be installed on the board by yourself.

A) Connections to external system:

- Lock status (open/closed) is taken from 10 (C), 9 (NC) and 11 (NO). Use end resistor in R1 for closed and in R2 for open. If dual resistor system, the 2nd resistor is soldered from C to R1 or R2, which is shortened while switch is in “closed” position.
- Sabotage status (including box lid switch) is taken from 12 and 13. Connect back panel control (magnet or position-switch or similar) to 4 and 5. If no back panel control is needed/available short between 4 and 5. Resistor in R3.
- Door status is taken from 14 and 15. Connect door control device (magnet or position-switch or similar) to 6 and 7. Resistor in R4.
- Remote control signal (9-15V, 5mA) to lock connects to 16 (+) and 17 (-). Lock will not open when power is detected.
- Silent alarm signal is taken from 18 and 19 (opens for 1 second).Resistor in R5.
- 8 is not in use.

B) Connections to lock:

- Disconnect (possible) existing power supply cable from “BAT” connection on lock and insert the 4-lead connector from the 334 box. Make sure connector is pushed in all the way and locked into position.
- Connect leads from micro switch to 1 (NC), 2 (C) and 3 (NO).

C) Power supply:

- Connect power supply (9-15V DC, 500mA) to 20 (+) and 21 (-).

Function test:

- Lock the lock (with door OPEN). Measure 1 and 2, should be closed.
- Open the lock. 2, 3 and 9,10 should be closed and 1,2 and 10,11 open.
- Activate remote signal. Try to open lock. Lock should NOT open. Deactivate remote signal.
- Enter silent alarm code (on LG: last combination number +/- 1, on M-Locks: last combination number + 1), 18 and 19 should open for 1 second and lock should open.
- Open and close lock several times before door is shut for further testing (sabotage and door control).