



T3-SERIES
2009 / 1

WWW.BB-LOCKS.COM



T3 ELECTRO-MECHANICAL 3-POINT LOCK

T3



B&B T3-series

- Electromechanical high security 3-point lock.
- Extreme high resistance against any type of aggression.
- This is due to its construction where the locking components are mounted on a solid baseplate: the baseplate is 183mm long, 33mm wide and has a thickness of 10mm. This plate is machined in 1 solid piece!
- In order to get a fast and strong unlocking action the locking components are driven by 3 solenoids.
- These solenoids have been chosen for their pulling force.
- Because the solenoids have a high holding current the lock should NOT be held in the unlocked position for long periods.
- The T3 locks are a perfect solution for high security doors, which need stay locked and secured constantly.
- Remote opening and monitoring is possible.
- Signalisation of the position of the door as well as the position of the bolts is already integrated into the locks.
- Available with or without handle on the secure side.
- Can be used in combination with a pushbar.



B&B T3-3517 SX and HX (also T3-3522 available)

- Electromechanical 3-point lock (24V DC stabilised, +/- 5%)
- Consumption:
 - * 4,5 A activation current
 - * 1,2 mA holding current
- **Locked without power (Fail secure)**
- Controlled and manageable acces
- Automatic locking mechanism when the door closes
- Always locked on the 3 main bolts (bolt throw is 20 mm) as soon as the door closes
- Symmetrical bolts for both swinging and revolving doors
- Same lock can be used for left and right swinging doors
- **Mechanical opening using a cylinder is always possible (both SX and HX versions).**
- **Mechanical opening using a handle (only on the inside) is always possible using the HX version.**
- Integrated signalisation of the bolt position (unlocked / locked)
- Integrated signalisation of the door position (open / closed)
- Stainless steel locking components, cylinder block and striker plate
- the locking components are mounted on the solid baseplate, which improves the free movement of the components and the lifespan of the lock
- Integrated microprocessor controlled intelligence
- **Striker plate included**
- Door detection by 3 Hall-sensors
- Resistance up to 60.000 N lateral pressure
- Resistance up to 13.000 N retraction force per bolt
- Opening under considerable lateral pre-load is possible
- Various security escutcheons are available (see accessories)
- Available for both 17 and 22mm cylinders
- **Backset of 35mm**
- **The bolt and door position signals are potential free outputs on the lock.**

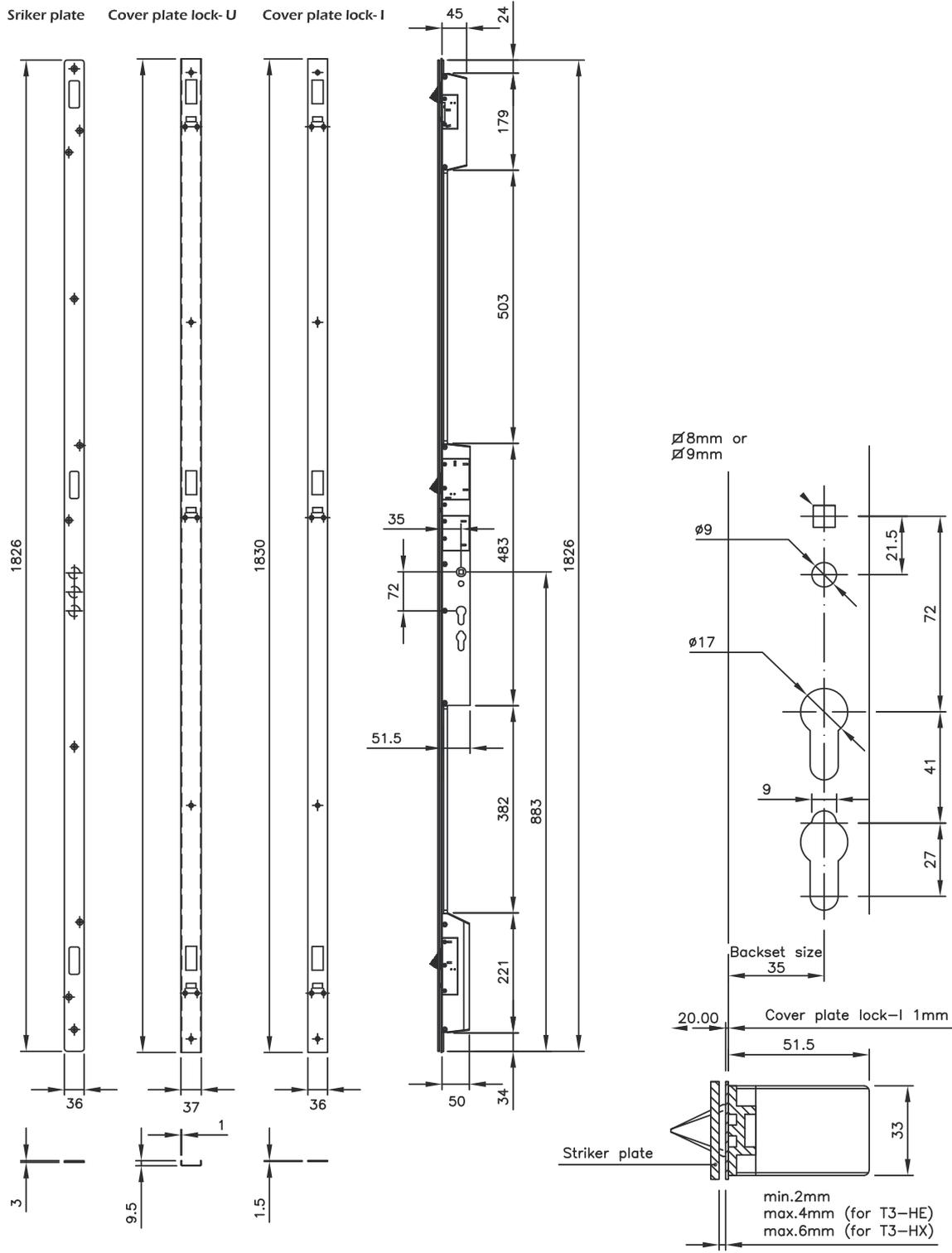
B&B T3-3517 SE and HE (also T3-3522 available)

The SE and HE versions have exact the characteristics as the SX and HX versions mentioned above with this exception:

when a power failure occurs, the bolts will be thrown out immediately, but will only be locked when the door is in the closed position (lock in front of its striker plate).

The direction of the door needs to be specified with these models!

T3 ELECTRO-MECHANICAL 3-POINT LOCK



Technical drawing T3-3517 SX, SE, HX and HE



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- **Backset of 65mm**
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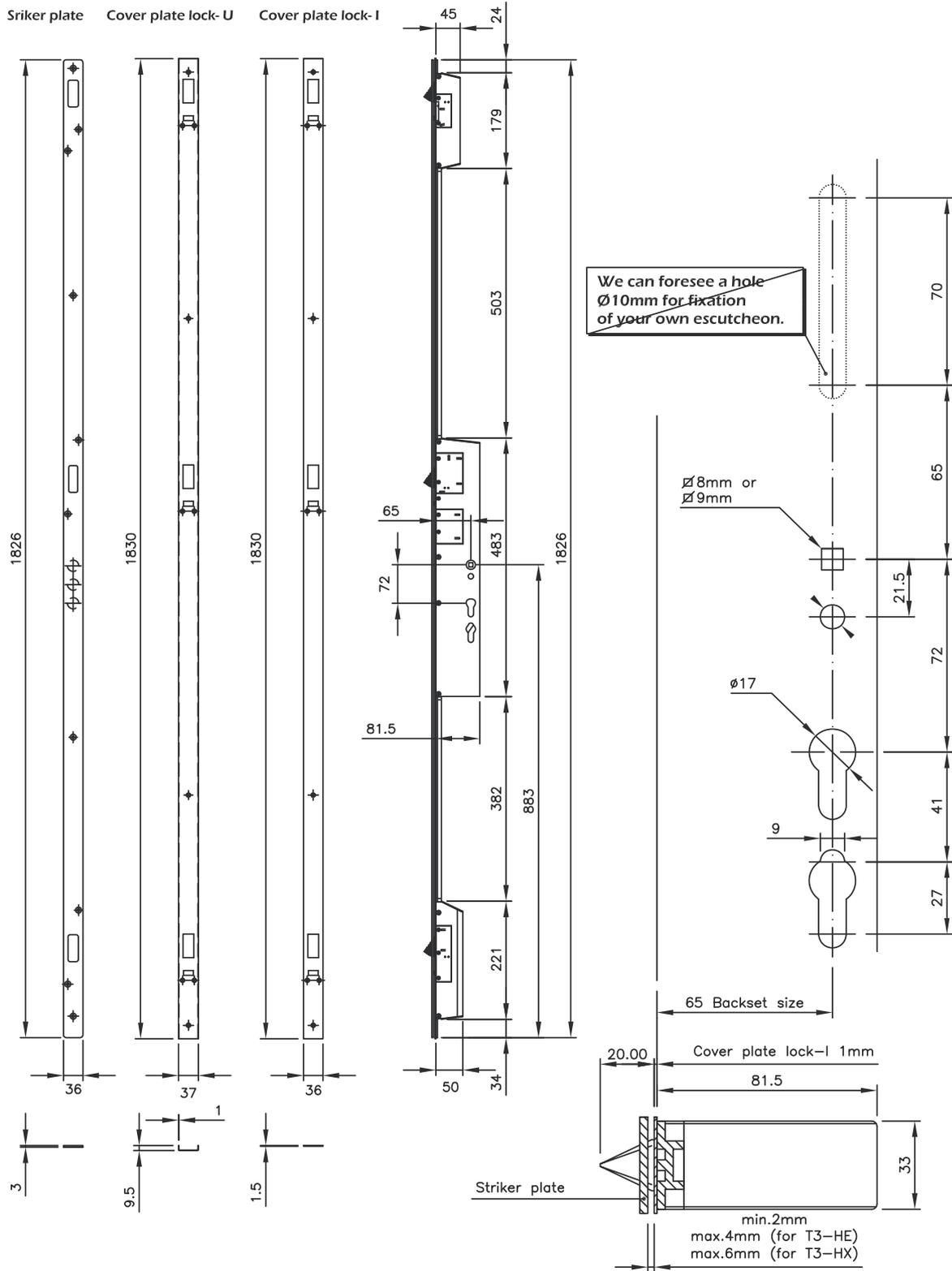
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B&B STABILIZED POWER SUPPLY - PS24D52

24V Power Supply (with back-up battery connexion)
 CON1 = INPUT = 220V/50Hz 120VA
 CON2 = connection to back-up batteries (3 x 12V)
 CON3 = Extra output 12V/DC maximum 0,2A
 CON4 = Output 24V/DC, 4A peak, 1A continuous
 CON5 = Output 24V/DC, 4A peak, 1A continuous

All outputs have a short-circuit protection, in case of a short-circuit on the 24V, LED1 will illuminate.

In case of overheating because of a surcharge, LED1 will also indicate an error.

A possible voltage drop (possible over a long line) can partially be compensated by adjusting the TRIM2 (current compensation).

The principle is such that the outgoing voltage only increases when a voltage peak is needed and not continuously. Therefore less power is used, but the voltage drop has been compensated!



B&B TECNAX CABLE

Cable 2x1mm² + 10x0,22mm² SHIELDED

BLUE	: GND (0V)
RED	: power +24V DC
BLACK	: unlocking impuls (to GND)
BLUE/WHITE	:
GREEN/WHITE	:
GREY	: bolt signal
BROWN	: bolt ejected
PINK	: bolt retracted
WHITE	: door signal
YELLOW	: door closed
GREEN	: door open



B&B CB 1

Our B&B control box has the following functions:

- push button (one time opening)
- rocker switch (continuous opening)
- bolt status signalization
- door status signalization



B&B SE17

Security escutcheon for 17mm europrofile cylinder.
 (also available for 22mm swiss cylinder - SE22)



B&B SRH02

Security escutcheon with handle for 17mm europrofile cylinder.
 (also available for 22mm swiss cylinder - SRH22)

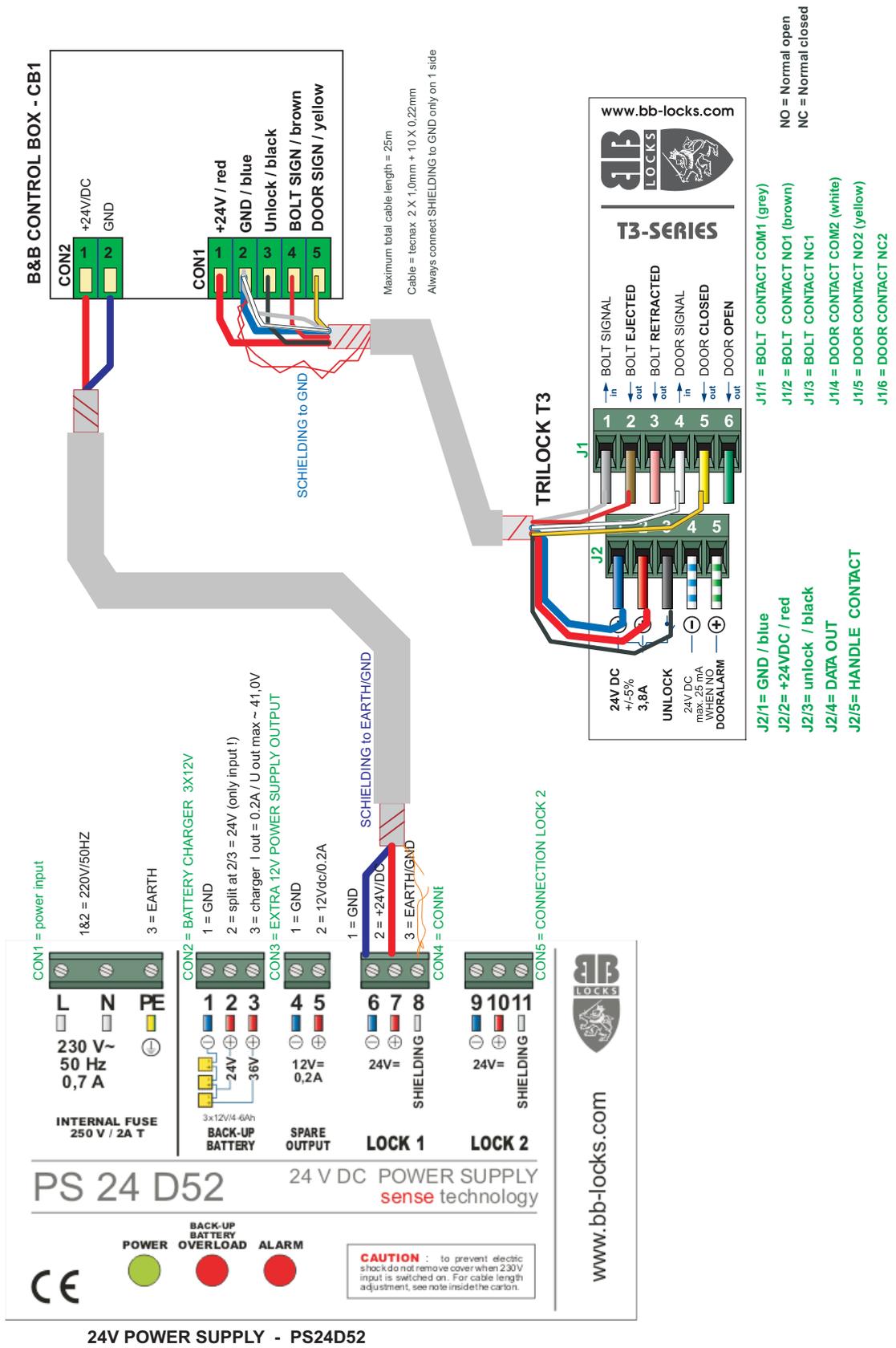


B&B CCVR17 (ook CCVL17, CCVR22 en CCVL22)

These coverplates will cover one cylinder hole (below) and expose the other. It can be taken off when the first cylinder hole has been tampered with.

A reed contact can be mounted on the inside of the cylinder coverplate, which will activate an alarm in case the coverplate was taken off without authorisation.

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24V POWER SUPPLY - PS24D52

T3 Connection diagram

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