

DE20-20 + EM35-20

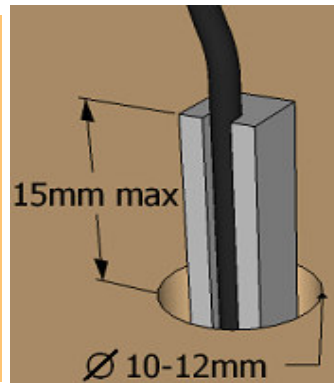
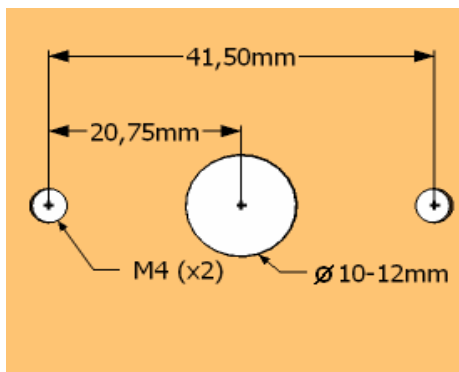
Mounting instructions



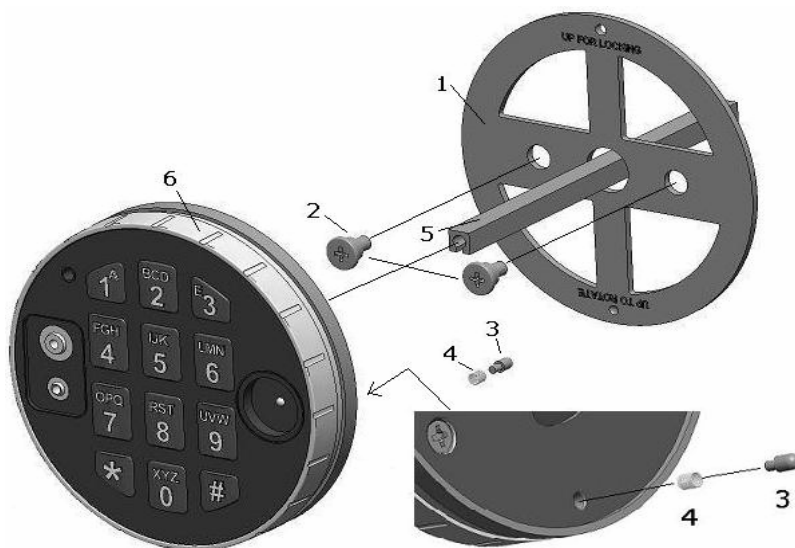
Always read entire instructions before starting. To not follow the instructions might cause damage to the lock and/or safe during use. Locks that are not mounted according to instructions are void from warranty.

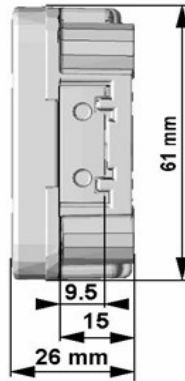
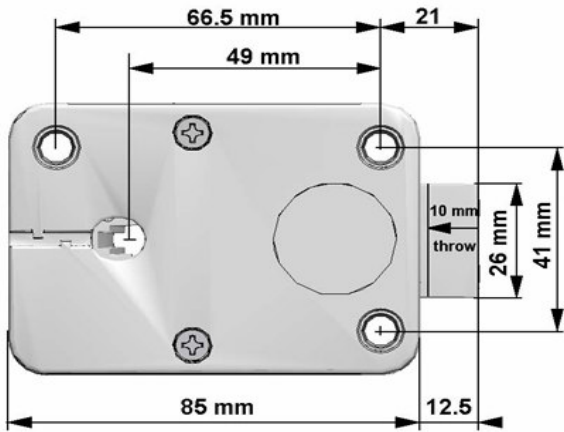
Remember:

1. Check all lock functions before you start
2. Always protect the lock from metal shavings, paint, weld-spatter and similar
3. Never break seal on lock as this will void warranty
4. No part of the lock system should be greased or lubricated
5. Handle cables and components with care
6. Always fix cables in a professional way and away from any moving parts
7. Always use Alkaline batteries (KG Group recommends Energizer or Duracell)

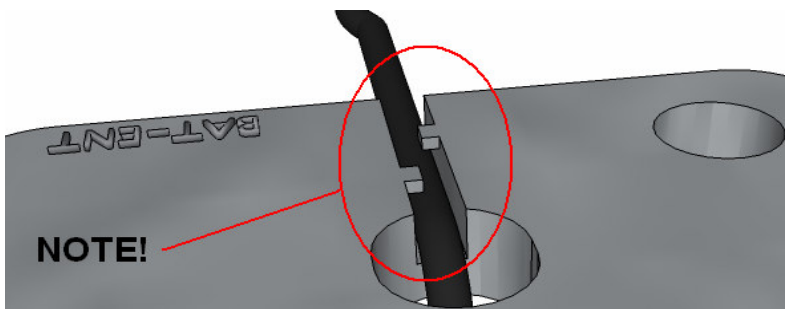


Drill and tap door to accept base plate (1). There is an adaptor plate available to convert from LG mounting pattern (order No: BP-1). Spindle hole Max Ø 12mm, must be thoroughly de-burred. Cut spindle (5) length to door thickness (including adaptor plate if used) + 24-25mm. Cut shrink tubing (8) to spindle length minus 25mm. Insert spindle in keypad (6) so that cable runs in the groove in the spindle. Fix shrink tube over spindle and cable with a hot-air gun. Fit base plate on door using the 2x M4 mushroom-head screws (2) with "UP TO ROTATE" oriented upwards. Use lock-tite on the threads. Fit detent spring (4) and detent (3) into the hole on the rear of the keypad. Take care not to loose it during the next steps. Insert keypad spindle in to spindle hole until keypad butts up against screw heads. Rotate keypad 35-40° CCW until key-pad can be fixed on the screw heads and then rotate CW to straight up. Double check that the spindle protrusion is max 15mm from lock mounting surface. Fit the spy-proof ring.

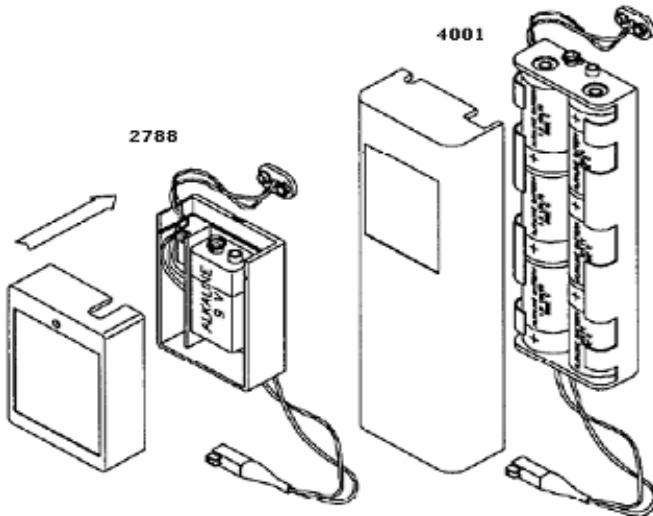




Drill and tap 3x M6 holes for the lock case. The lock can be fitted in any of the 4 directions (VU, VD, HR and HL). Fit the lock with the bolt extended and keypad in the upright position by feeding cable through spindle hole in lock cam and then fit lock over spindle and screw it to the mounting surface. Use only supplied screws and use lock-tite on threads. Attach cable where it comes through case into the designated route on back of lock. Connect cable from keypad to the ENT connector on lock case making sure that plastic snap lock snaps in position. Fix superfluous cabling in a professional way and away from moving parts. Lock bolt is pre-drilled and tapped to accept lockbolt-extensions or RLD's.



Fit battery box using 1x M4 (BB-1 small box) or 3x M4 (4001 large box). Connect battery cable to BAT connection on lock case making sure that plastic snap lock snaps in position. Fix superfluous cabling in a professional way and away from moving parts. Attach battery (batteries) (1x 9V if 2788 or 6x 1,5V if 4001) and fit cover. The cover on the 4001 must be secured with 2x M4 through the "ears" of the cover. **NOTE! All parts fitted to the inside of the safe door must be securely and professionally fastened using screws and lock-tite to prevent components from dislodging and end up blocking the boltwork from opening.**



Test the lock: (always with door open)

Enter code (factory default: 1 2 3 4 5 6) and turn keypad CW to stop. Check that keypad cable is free to move. Turn safe handle to open and check that no moving part of the boltwork is chafing or moving against any cables/parts. Turn safe handle to locked and then turn keypad CCW to stop and check that it is locked. Repeat at least 3 times before closing safe door.

NOTE! Always double check the functions of possible RLD's if they have been moved from an old lock to the new one fitted. Remember that the DNV approval is void if spy-proof ring is not fitted.