

NL Premier Keypad LOCK P120•Rx ROTATING Installation



FEATURES

P120•Rx is a rotating keypad for use with the EM35•xx Straight Bolt lock
Battery: Accessible via a sliding door at the keypad base
Finishes: Black Velvet or Bright Chrome (ABS), Brushed Chrome (metal)
Enhanced Visibility: Built-in LED lights for use in low-light conditions

MOUNTING INSTRUCTIONS

Cable hole diameter: 3/8" (.953mm) minimum

The hole must be properly deburred to avoid cable damage

The P120 mounts on horizontal (9 & 3 o'clock) studs, optional MA-2 adapter plate required for vertical safe door mounting holes

Temporarily secure the lock body to the mounting surface with supplied mounting screws. **fig. 1**

Insert the grooved spindle shaft through from the face of the door until it bottoms out in the lock body.

Ensuring that any adapter or trim plates are in place, use the included round white plastic measuring device to mark the spindle for cutting.

The spindle must extend .24" from the mounting surface of the keypad after cutting to properly engage with the keypad. **fig. 2**

Deburr/square the cut end of the spindle.

Unmount the lock body

Open the keypad battery door and extend the battery connector cable out of the battery door to prevent cable damage

Insert the spindle into the keypad and press the keypad wire into the groove in the spindle

Align the tabbed P171 Bearing Plate with the mounting holes in the door (or the MA-2 Adapter Plate)

Dual locking tabs **MUST** be facing UP (See P171 Bearing Plate) **fig. 3**

Affix the Bearing Plate to the safe door with two #8-32 (or M4) mounting studs

Feed the keypad cable through the hole in the door

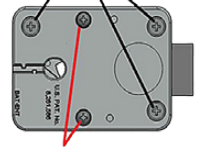
Align keypad base plate holes to the mounting studs so the input is flush with the safe door (or MA-2 Adapter Plate)

Works With:
EM35
Straight Bolt



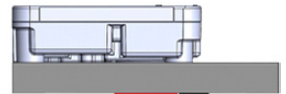
fig. 1

Phillips Head
MOUNTING
SCREWS



**Assembly Screws
DO NOT REMOVE**

fig. 2



MEASURING
TOOL

.24"

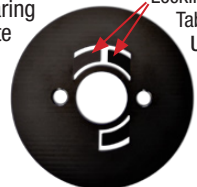
Spindle

**Square & Deburr
Cut End**

fig. 3

P171
Bearing
Plate

Dual
Locking
Tabs
UP



QL Premier Keypad LOCK PI20•Rx ROTATING Installation



Turn the keypad CW until it clicks into place (if you don't hear the click it is not installed correctly) **fig. 4**

With the lock body in hand, feed the keypad cable connector through the square opening on the underside of the lock case

Holding the cable straight, place the lock body over the grooved spindle and screw it securely to the mounting surface **fig. 5**

Use only the supplied 1/4-20 (or M6) screws to mount the lock
Use of screw locking glue (i.e. Loctite) is recommended)

Tighten the screws securely so the lock body is firmly attached to the flat mounting surface

Insert the connector from the keypad into the outer lock housing receiver labeled ENT, ensuring that the connector is fully seated

To remove the connector, carefully lift and pull away from the lock body

To secure the cable, push it into the square groove on the lock cover
Secure any excess away from moving parts **fig. 6**

Attach 9v battery to connector
Insert battery into keypad and slide the door closed

Use ONLY Energizer or Duracell ALKALINE batteries.

fig. 4

"CLICK"



fig.5

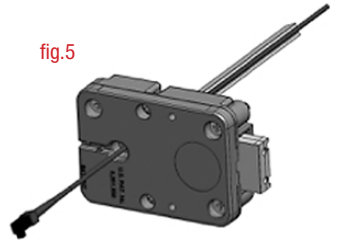
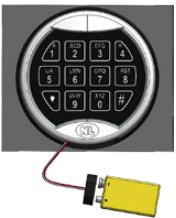
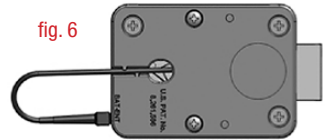


fig. 6



NL Premier Keypad LOCK PI20•Rx ROTATING Installation



ELECTRONICS TEST

Like all NL Locks, the Straight Bolt includes Function 5 – a unique feature to test for proper functioning of the electronics:

- Press and hold 5 until double beep and the LED stays on
- Enter all keys in numerical sequence: 1-2-3-4-5-6-7-8-9-0
- A double beep at each key press indicates that the lock and keypad are communicating and performing properly
- A long signal indicates a fault that can likely be corrected by replacing the keypad

FUNCTIONAL TEST (With door OPEN)

Enter a valid code or factory code (1-2-3-4-5-6), double beep = valid entry

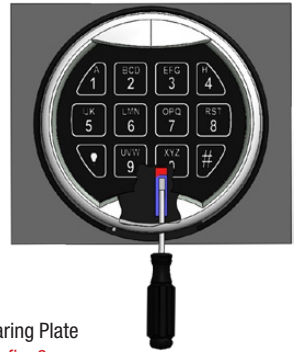
- Rotate keypad CW within 3 seconds to retract lock bolt
- The bolt must move freely
- Turn boltwork handle to the OPEN position
- Turn boltwork handle to the LOCKED position
- Rotate keypad CCW to extend lock bolt
- The lock bolt must fully extend and secure
- Ensure that there is at least 1/16" clearance on all sides of the lock bolt and case when the safe boltwork is in the fully LOCKED position

IMPORTANT: Repeat the functional test several times before locking the safe door

For setup, code change, dual user and time delay, see separate EM35 Straight Bolt Operation Instructions

To remove the keypad once it is snapped into place, remove battery and depress Bearing Plate locking tab (accessible through battery door) while turning keypad slightly CCW See: fig. 6

fig. 6



LOCKED



BOLT RETRACTED



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