WHO is QSecurity?

QSecurity is owned by Clay Miller and Wes Day. Staff includes industry veterans Deanna DeBorde, Frieda Ellis, Ellis Gibbs, Ryan Griffeth, April Truitt, Lisa Young & others and is ever expanding. QSecurity Products, QSecurity Education, and QTactical are all divisions of QSecurity Industries, the parent company.

WHAT is QSecurity?

QSecurity is the new name for a decades-old security technologies and education company headquartered in Nicholasville, Kentucky. QSecurity began as Lockmasters, Inc.®, the locksmith education company founded by Harry C. Miller, Jim Taylor and Leonard Singer in 1955. Clay Miller and his team took over operations from Harry Miller in 1981, expanding into tool and equipment sales to the trade in 1982. The following decade saw the birth of LockNet, SAVTA and the X0-7. In 2005, Mark Miller took over the tool & equipment division, moving it into a purpose-built location just up the road on John Watts Dr. Ever eager for expansion, Mark subsequently took over the Lockmasters Education Division in 2013. Clay Miller and his engineering team remained in the S. Main Street location, focused on R&D for the clandestine world as LTI: Lockmasters Technologies, Inc. and QTactical. Just prior to his passing in 2020, Clay Miller's son Mark Miller sold Lockmasters to the Dominus Group. As a contingency of the sale, the Miller family was compelled to relinquish their rights to the Lockmasters trademark – FOREVER. LTI was forced to rebrand, and Q Security was born.

WHY QSecurity?

The Millers have long been loyal James Bond fans. Who doesn't remember "Q," the Quartermaster of MI6, the British Secret Service? One of the most enduring characters throughout the Bond franchise, Q headed up Q Branch, the R&D division which supplied Bond with a stunning array of offensive and defensive gadgets over the years. When a rebrand became inevitable, the incorporation of "Q" seemed a novel but logical choice.

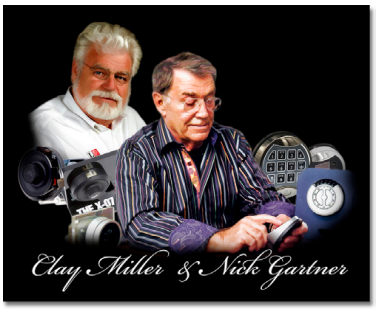
WHERE is QSecurity?

Over the years, Lockmasters, LSI and LTI have all called Nicholasville, Kentucky home. Naturally, Nicholasville is also now the headquarters for all QSecurity Industries divisions. Conveniently located in the heart of the Bluegrass region, QSecurity is proud to have LockNet, Sargent & Greenleaf, Lockmasters and MBAUSA as local neighbors.

NL Lock - *What's the connection?*

Legendary inventor Nick Gartner and Clay Miller have worked both together and separately in the high-security safe lock industry since the late 1960s when Harry C. Miller hired Nick at Sargent & Greenleaf in Rochester, NY. Nick eventually left S&G to found LaGard, where he developed many industry firsts: the first electronic safe lock, the HPC 1200 key machine, the 2200 key lock for safes, the SmartGard, and many others.

With Nick's health declining, in early 2023 he and Clay Miller entered discussions regarding the future of NL Lock. In late August, they inked a deal to transfer the company assets to QSecurityIndustries, and on September 5, 2023, Nick passed away, knowing his brainchild had a secure future with an industry veteran and friend who would take his innovations forward.



Premier Keypad
PI20-Dx NON-ROTATING

FEATURES

PI20-Dx is a dual-use keypad, use these instructions for our RotoBolt or MotorDrive locks
Battery: Accessible via a sliding door at the keypad base
Finishes: Black Velvet or Bright Chrome (ABS), Satin Chrome (metal)
Enhanced Visibility: Built-in LEDs for use in low-light conditionss

MOUNTING INSTRUCTIONS

Cable hole diameter: 3/8" (.953mm) minimum
The hole must be properly deburred to avoid cable damage

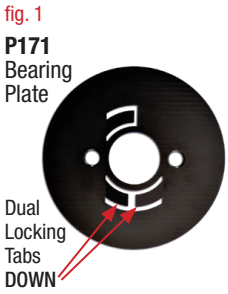
The PI20 mounts on horizontal (9 & 3 o'clock) studs, optional MA-2 adapter plate required for vertical safe door mounting holes

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 DOWN (See P171 Bearing Plate) fig. 1

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

fig. 1



Open the battery door and extend the battery connector cable out through the door

Feed the keypad cable through the hole in the safe door

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

Turn the keypad CW until it clicks into place (if you don't hear the click it is not installed correctly) fig. 2

fig. 2

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

Use ONLY Energizer or Duracell Alkaline or Lithium 9 Volt batteries.

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

For complete setup and programming instructions please refer to the appropriate document(s) for your chosen lock.

They are shipped with our lock bodies or available at:
QSecurityProducts.com/Resources

PI20-Dx
Works With:

UR20 Universal RotoBolt

EM20 Large RotoBolt

EM30 MotorDrive Lock

Premier Keypad
PI20-Dx ROTATING

FEATURES

PI20-Dx is a dual-use keypad, use these instructions for our EM35 Straight Bolt lock
Battery: Accessible via a sliding door at the keypad base
Finishes: Black Velvet or Bright Chrome (ABS), Satin Chrome (metal)
Enhanced Visibility: Built-in LEDs for use in low-light conditions

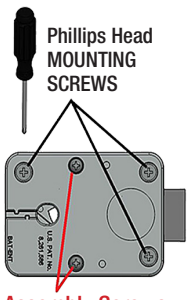
MOUNTING INSTRUCTIONS

Cable hole diameter: 3/8" (.953mm) minimum
The hole must be properly deburred to avoid cable damage
The PI20 mounts on horizontal (9 & 3 o'clock) studs, optional MA-2 adapter plate required for vertical safe door mounting holes

Works With:
EM35
Straight Bolt

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

fig. 1



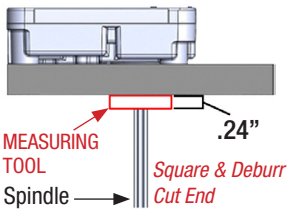
Insert the grooved spindle shaft through from the face of the door until it bottoms out in the lock body.

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.

fig. 2



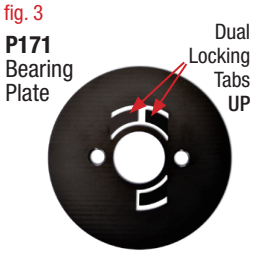
Unmount the lock body

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)

fig. 3



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 and spindle 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)

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

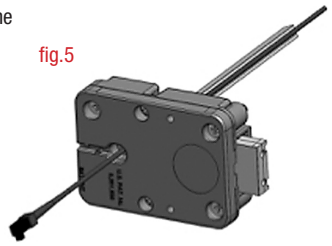
fig. 4

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

Premier Keypad
PI20-Dx ROTATING

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

fig.5

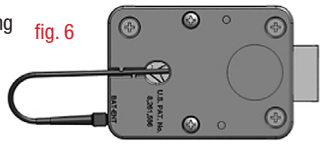


Use only the supplied ¼-20 (or M6) screws to mount the lock. Use of screw locking glue (i.e. LocTite) is recommended.

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

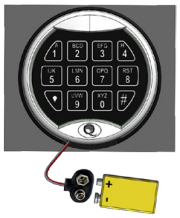
fig. 6



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

fig. 7



Attach 9v battery to connector fig. 7
Insert battery into keypad and slide the door closed

Use ONLY Energizer or Duracell Alkaline or Lithium 9 Volt batteries.

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

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. 8

fig. 8

For complete setup and programming instructions please refer to the appropriate document(s) for your installation:
EM35-20 Basic Board Operation Instructions,
EM35-50/55 DIA & DIA Pro Operation Instructions,
DIA 9-User Technical Reference Manual, or
DIA Pro 39-user Technical Reference Manual

They are shipped with our lock bodies or available at: QSecurityProducts.com/Resources

QSecurityProducts.com
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Premier PI20-Dx *ROTATING* INSTALLATION • Rev. 2603MT •
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