Universal RotoBolt
UR20•20 Instructions - *Basic Board*

Works With:

Premier
PI20•Nx

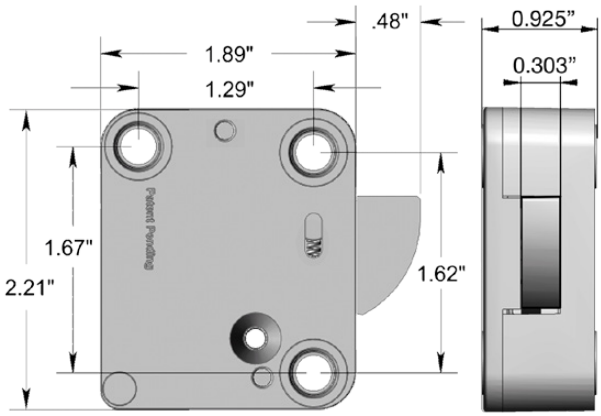
Premier II
PI80•Nx

THinPut
TH20•D6

EasyTouch
ET20•Nx

QuickTouch
QT20•N3

Universal RotoBolt Dimensions
(Imperial)



UL Type 1

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NL LOCK Universal RotoBolt

UR20•20 Installation - *Basic Board*

FEATURES

The UR20•20 features a user-changeable **6**-digit Primary code which can be used to activate or delete a Secondary user code. Entering a valid code starts a 3 second window for unlocking, allowing movement of the safe boltwork into the OPEN position. The RotoBolt automatically secures after moving the safe boltwork to the fully LOCKED position.

MOUNTING INSTRUCTIONS

The UR20•20 may be mounted either RH, LH, VU or VD or it may be flipped over to block a reversed boltwork design. Insert the connector from the keypad into the lock receiver. Ensure that the connector is fully seated. To remove the connector, carefully lift and pull away from the lock body.

Use only the supplied **¼-20 (or M6)** screws to mount the lock. Tighten the screws securely so the lock body is firmly attached to the flat mounting surface. Use of screw locking glue (i.e. LocTite) is recommended. Secure cables away from moving parts.

ELECTRONICS TEST

Like all NL Locks, the RotoBolt includes Function **5** - a unique feature to test for proper functioning of the electronics:

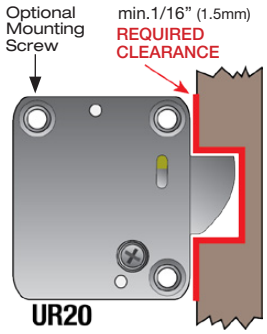
- Press and hold **5** until double beep and the LED stays on
- Enter all keys in numerical sequence: **1-2-3-4-5-6-7-8-9-0**
- A double beep at each key press indicates that the lock and keypad are communicating and performing properly.
- A long signal indicates a fault that can likely be corrected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

FUNCTIONAL TEST *(With door OPEN)*

Enter code (factory code = **5-5-5-5-5-5**), double beep indicates valid entry

- Turn boltwork handle to OPEN position
- The bolt rotates into the lock housing
- The bolt must move freely
- Turn boltwork handle to the LOCKED position
- The bolt must fully extend and secure
- Ensure that there is a minimum of 1/16" clearance on all sides of the lock bolt when the safe boltwork is in the fully LOCKED position

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



BOLTWORK REQUIRMENTS

If the Rotobolt lock is used in conjunction with another lock, the boltwork must be constructed so that the Rotobolt secures first.

In the LOCKED position, the distance between the Rotobolt lock bolt and the movable boltwork must be a minimum of **1/16" (1.5mm)**.

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Universal RotoBolt
UR20•20 Operation - *Basic Board*

GENERAL

The UR20•20 features a user-changeable **6**-digit Primary code which can be used to activate or delete a Secondary user code. A double beep follows entry of a valid code.
A long beep follows entry of an invalid code.
If 10 seconds elapse without a key press, the code entry will be cancelled.

OPERATION

Enter code (factory code = **5-5-5-5-5-5**), double beep indicates valid entry
Turn boltwork handle to the OPEN position
If not opened within **3** seconds, the lock re-secures automatically
If the first code entry fails, wait 10 seconds before re-entering

Locking / Status:
Close door and rotate handle to fully locked position
Verify locked/secure status by attempting to rotate handle

Manipulation Protection:
Upon entry of four consecutive invalid codes, the keypad is blocked and will not accept entries for **5** minutes. During this period, the LED flashes every **10** seconds and any key press causes a long beep. Upon expiration, the entry of two more invalid codes restarts the **5** minute blocking period.

Best Practices
Change the factory code before you begin using the safe! Securely store all codes.
Do not use personal data (i.e. birthdays, telephone numbers, etc.) as a code.

ACTIVATE PRIMARY & SECONDARY CODES IN ONE STEP

CHANGE OR DELETE Secondary code prior to putting unit into service!

Press and hold key "**0**" until double beep and keypad LED stays on
- Enter a 6-digit Primary code (DO NOT use 1-2-3-4-5-6 as Primary code)
- Confirm the 6-digit Primary code, double beep and LED goes out
- Primary code is now active and can open the lock
- Secondary code (default 1-2-3-4-5-6) is now also active and can open the lock

INSTALL/CHANGE SECONDARY USER CODE

Press and hold key "**1**"
- Enter existing 6-digit Primary code, double beep
- Enter new Secondary code (do NOT enter 1-2-3-4-5-6 as Secondary code)
- Confirm the Secondary code, double beep and LED goes out
- The 6-digit Secondary code is now active and can open the lock

NOTE: *The Change Code method above is used to change either the Primary or the Secondary code. The Primary code is required to delete the Secondary code. The Primary code can be changed, but cannot be deleted.*

DELETE SECOND USER CODE

Press and hold Key [**3**] (double beep), then release
The LED remains on during the following actions:
- Enter Primary code (double beep)
- The Secondary code is deleted and only the Primary code can open the lock (Single User)

LOW BATTERY INDICATION

NOTE: A series of beeps following code entry indicates a weak battery that must be replaced
Use ONLY Energizer™ or Duracell™ 9V ALKALINE batteries

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Universal RotoBolt
UR20•20 Time Delay - *Basic Board*

PROGRAMMING TIME DELAY • INITIAL SET-UP

Delay Range: 0-99 minutes
Open Window Range: 1-19 minutes
Press and Hold Key [**9**] (double beep), then release
The LED remains on during the following actions:

- Enter six-digit Primary code (double beep)
- Enter delay then open window times in two-digit values (double beep).
  For Example: to program a 26 minute delay and 12 minute open window, enter: [2612]
- Re-enter new delay and open window times to confirm
  (double beep indicates valid operation and LED will go out)

NOTE: A long beep following any entry indicates an invalid or out of range entry.

OPEN WITH TIME DELAY ACTIVATED

Enter valid six-digit code: ex. **5-5-5-5-5-5** (factory code)
Beep and LED flash at each key press
If code is valid, (double beep) at last digit
Time delay counting starts, LED flashes every 2 seconds
When delay period elapses, open window period begins, indicated by LED flashes
and beep sounds every 1 second

- Re-enter valid six-digit code
- If code is valid, (double beep) at last digit
- Within 3 seconds, turn handle to the OPEN position

CHANGING TIME DELAY VALUES

Begin time delay by entering a valid code
Once the delay period has elapsed and during the open window, press and hold Key [**9**]
until the LED remains ON, then release

- Enter the six-digit Primary code (double beep), LED will remain ON
- Enter new delay and open window times in two-digit values (double beep)
- Re-enter new delay and open window times to confirm
  (double beep indicates valid operation and LED will go out)

NOTE: To cancel/remove time delay, enter [**0001**] during the open window
Decreasing the time delay period may be done only during the open window period

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