

QMETRIC SAFE LOCK

YOU Are The Key



QMETRIC Pro Instructions

Qmetric Pro features are designed for commercial use. Up to 29 unique user codes and fingerprints along with two factor authentication capability makes Qmetric perfect for businesses at risk due to code sharing or code spying.

Works With

UR20-60
Universal
RotoBolt



EM20-60
Large
RotoBolt



EM35-60
Straight Bolt



EM30-60
MotorDrive
Lock



To view our full line,
product updates,
instruction manuals
and warranty



QMETRIC Pro Instructions



Features

- With two factor authentication (2FA) ON, Code plus Fingerprint are always required to open
- With 2FA OFF, Fingerprint or Code can open and perform all permitted functions
- One Service Code - 8-digits, used for programming, not able to open, can enable/disable 2FA, and can reset the lock to factory mode (a valid User or Manager Code is also required)
- One Manager Code - 6-8 digits, Code length selectable in factory mode, can open, can manage (add/delete/enable/disable) all User Codes, default after set-up: 1-2-3-4-5-6
- User Codes - up to twenty-nine (29) 6-8 digit User Codes can open the lock
- Fingerprints - up to thirty (30) Fingerprints can be stored (29 Users and 1 Manager), one Fingerprint per User can be enrolled
- Wrong try penalty - five minute penalty lockout after four wrong tries, then after each two wrong tries

Functions

- F0 (current code required) - Change Manager or User code
- F1 (Manager code only) - Install new User code
- F2 (Manager code only) - Disable/enable lock access, all except Manager code
- F3 (Manager code only) - Delete existing User code, enrolled Fingerprint is deleted
- F4 (Service code only) - Enable/disable two-factor authentication (2FA = code plus finger)
- F5 (no code required) - Functional test - Confirm keypad & lock communication
- F7 (Manager code required) - Status check of Users/Fingerprints
- FP Button - Add/replace/delete Fingerprints

LED and Audible Feedback

- Red LED flash = penalty lockout counting
- Beep = key pressed
- Double beep/green LED = valid operation
- Triple beep = Time Delay Open Window counting
- Long beep = invalid operation or miskey, try again
- Tic/green LED = acquiring Fingerprint during enrollment process
- 10 fast red flashes after Code entry = low battery warning

Factory Mode:

- Locks are shipped in Factory Mode
- Press [1] to open
- Default 8-digit Service Code 5-5-5-5-5-5-5-5, no other Codes are operational until Factory Mode is exited and Service Code is changed

Initial Set Up from Factory Mode

NOTE: Default is six digit Code length, if change of code length is desired, it **must** be done, and may only be done, from Factory Mode

Change Code Length for Manager and User Codes (w/Service Code only)

- NOTE:** Default is six digit Code length
- Press and hold [8] until double beep and keypad LED stays ON
- Enter default Service Code 5-5-5-5-5-5-5-5, double beep = OK
- Press and release [6], then enter the desired Code length (6, 7 or 8 digits in length)
- Double beep = OK, change accepted



QMETRIC Pro

Instructions



Change Default Service Code

Press and hold [8] until double beep and keypad LED stays ON

Enter 8-digit default Service Code 5-5-5-5-5-5-5, double beep if valid

Press and release [0], double beep if valid operation

Enter new 8-digit Service Code, double beep

Re-enter new 8-digit Code to confirm, double beep = OK

Long beep at any point = invalid confirmation or timed out, try again

Important:

Lock is now operational, only default Manager Code is available 1-2-3-4-5-6 (-7, -8)

2FA is OFF (default)

Keypad and lock are now associated as a unique set. Do not interchange with another keypad or lock!

Next Steps:

Change default Manager Code (Function 0)

Install User Codes (Function 1)

Add Fingerprints (FP button)

Important Notes:

- Do not add simple Codes which are easy to guess (e.g., 1-2-3-4-5-6-7-8)
- Do not use personal data (e.g., birthdays) or other data that could be derived from having knowledge about the Code holder
- After changing the code, the lock must be tested several times with the safe door OPEN and the bolts extended to prevent accidental lockout

Install a New User Code (*w/Manager Code only*)

IMPORTANT: If 2FA is ON, toggle it OFF prior to adding a new User Code (see Function 4 below)

Press and hold [1] until double beep and keypad LED stays ON, release

Enter Manager Code, double beep

Enter the 2-digit ID (01 to 29) of the new User to be installed

If User is already installed, double beep and lock powers off, otherwise

Enter new User Code, double beep

Re-enter the new Code to confirm, double beep = OK

NOTE: new Codes are rejected when only one digit is different from an existing Code, e.g., existing Code: 1-2-3-4-5-6, 1-3-3-4-5-6 cannot be used (one digit differs), 1-2-2-3-5-6 is acceptable (two digits differ)

Long beep at any point = invalid confirmation or timed out, try again

User fingerprint may now be added

Add/replace a Fingerprint (*w/Manager or User Code*)

IMPORTANT: Toggle 2FA OFF prior to adding or replacing a fingerprint (see Function 4 below)

Press and hold the [FP] button until double beep and keypad LED stays ON, release

Enter Manager or User Code for Fingerprint which is to be enrolled (+ Fingerprint if 2FA is active)

Press and release [1], double beep

Place finger on the reader to start the enrollment process

Repeatedly touch the sensor as you would in normal use (i.e. same placement, direction, grip)

When you get a tic with a green light from the keypad, lift and move finger to a slightly new position, being sure to completely cover the sensor

When the keypad signals with a double beep and the LED powers OFF, the enrollment is completed

TEST the new fingerprint, toggle 2FA back ON if desired (see Function 4 below)

QMETRIC Pro

Instructions



Opening Sequence

2FA OFF - Code or Fingerprint

Enter a valid Code or Fingerprint, double beep = OK, green LED stays ON until opening window ends, long beep = invalid Code or Fingerprint, try again

2FA ON - Code + Fingerprint

Enter a valid Code, double beep and keypad LED stays ON

Place finger on the sensor, double beep = OK, green LED stays ON until opening window ends, long beep = invalid or timed out, try again (enter Code first)

Lock In-Service Operations

F0 - Change Code (*current Code required*)

With the door OPEN and boltwork extended!

Press and hold [0] until double beep and keypad LED stays ON, release

Enter current Code + Fingerprint if 2FA is active, double beep

Enter new Code + Fingerprint if 2FA is active, double beep

Re-enter new Code to confirm + Fingerprint if 2FA is active, double beep

Double beep = OK, long beep = invalid confirmation or timed

out, try again

F1 - Install a New User Code (*w/Manager Code only*)

With the door OPEN and boltwork extended!

NOTE: Toggle 2FA OFF prior to adding a new User Code (see F4 below)

Press and hold [1] until double beep and keypad LED stays ON, release

Enter Manager Code, double beep

Enter the 2-digit ID (01 to 29) of the new User to be installed

If User is already installed, double beep and lock powers off, otherwise

Enter new User Code, double beep

Re-enter the new Code to confirm, double beep = OK

TEST the new Code

Long beep at any point = invalid confirmation or timed out, try again

User fingerprint can now be added (see below)

Toggle 2FA back ON only after adding Fingerprint(s) (see F4 below)

FP - Add/replace a Fingerprint (*w/Manager or User Code*)

NOTE: Toggle 2FA OFF prior to adding or replacing a fingerprint (see F4 below)

Press and hold the [FP] button until double beep and keypad LED stays ON, release

Enter Manager or User Code for Fingerprint which is to be enrolled (+ Fingerprint if 2FA is active)

Press and release [1], double beep

Place finger on the reader to start the enroll process

Repeatedly touch the sensor as you would in normal use (i.e. same placement, direction, grip)

When you get a tic with a green light from the keypad, lift and move finger to a slightly new position, being sure to completely cover the sensor

When the keypad signals with a double beep and the LED powers OFF, the enrollment is completed

TEST the new fingerprint

Toggle 2FA back ON if desired (see F4 below)

FP - Delete a Fingerprint

Press and hold the [FP] button until double beep and keypad LED stays ON, release

Enter Manager or User Code for Fingerprint which is to be deleted + Fingerprint if 2FA is active

Press and release [3], double beep = OK

The Fingerprint associated with the entered Code is deleted

QMETRIC Pro Instructions



F2 - Enable/disable all Lock Access (w/Manager Code only)

Press and hold [2] until double beep and keypad LED stays ON, release

Enter Manager Code, Fingerprint or both if 2FA is active

When lock access is disabled, Manager Code only can open the lock

When re-enabled, existing Codes and Fingerprints are restored

NOTE: lock access status will toggle enabled/disabled each time F2 is entered

F3 - Delete an Existing User Code (w/Manager Code only)

Press and hold [3] until double beep and keypad LED stays ON, release

Enter Manager Code, Fingerprint or both if 2FA is active

Enter the 2-digit ID (01 to 29) of the User to be deleted

Double beep, User is deleted

NOTE: all User associated Fingerprints will be deleted as well

F4 - Enable/disable 2FA mode (w/Service Code & only when lock is operational)

Press and hold [4] until double beep and keypad LED stays ON, release

Enter 8-digit Service Code, double beep = OK

NOTE: 2FA mode will toggle ON/OFF each time F4 is entered, default is OFF

F5 - Functional Test

Press and hold [5] until double beep and keypad LED stays ON, release

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 at any point indicates a fault which must be addressed or corrected

F7 - Check Status of Users/Fingerprints (w/Manager Code only)

Press and hold [7] until double beep and keypad LED stays ON, release

Enter Manager Code, Fingerprint or both if 2FA is active

Enter 2-digit ID of the corresponding User

Triple beep if User is not active, double beep if User is active

Enter [0-0] to exit, keypad will signal as many single beeps as the number of Fingerprints currently stored including

Manager (max. 30)

F9 - Program Time Delay and Open Window (w/Manager Code only)

Press and hold [9] until double beep and keypad LED stays ON, release

Enter Manager Code, Fingerprint or both if 2FA is active

Enter Time Delay value (from 00 to 99 minutes, 2 digits, 00 = no time delay), then Open Window (from 01 to 19 minutes, 2 digits), double beep, e.g., to program a 26 minute Delay and 12 minute Open window, enter: [2612]

Re-enter values to confirm, double beep = OK

Long beep = timed out or confirmation error, try again

NOTE: if the new value is lower than that which is currently set, wait for currently programmed Time Delay value to elapse, then enter function 9 to program Time Delay while lock is counting Open Window time

Open With Time Delay Programmed (w/Manager or User credentials)

Enter Manager Code, Fingerprint or both if 2FA is active, keypad will flash at two second intervals during delay counting

Wait for Time Delay to elapse or press [FP] to abort Time Delay counting

Once Time Delay counting has elapsed, lock signals Open Window time counting with a triple beep every 5 seconds

During Open Window, enter Fingerprint, Code or both if 2FA is active

QMETRIC Pro

Instructions



Service Code Operations

F8-0 - Change Service Code (w/Service Code only)

NOTE: Only after Service Code has been reset and lock has exited factory mode

Press and hold [8] until double beep and keypad LED stays ON, release

Enter 8-digit Service Code, double beep = OK

Press and release [0], double beep

Enter new 8-digit Code

Re-enter new 8-digit Code to confirm, double beep = OK

long beep = try again

F8-0 - Reset Default Service Code (w/Service Code only)

Press and hold [8] until double beep and keypad LED stays ON, release

Enter 8-digit default Service Code 5-5-5-5-5-5-5-5, double beep if valid

Press and release [0], double beep if valid operation

Enter new 8-digit Service Code, double beep

Re-enter new 8-digit Code to confirm, double beep = OK, long beep otherwise

Important:

Lock is now operational. Only default Manager Code opens the lock: 1-2-3-4-5-6(-7)(-8)

Qmetric keypad and lock are now associated as a unique set.

Do not attempt to interchange with another keypad or lock!

F8-5 - Reset All Users and Programmed Options

NOTE: Only after lock has exited Factory Mode and is operational

Press and hold [8] until double beep and keypad LED stays ON, release

Enter 8-digit Service Code, double beep = OK

Press and release [5], then enter valid Manager or User Code, double beep = OK

All Codes and programmed options are deleted, lock is reset to Factory Mode

Only default Service Code 5-5-5-5-5-5-5-5 is available, press #1 to open the lock

NOTE: See **Initial Set Up from Factory Mode**

F8-6 - Change Code Length for Manager and User Codes (w/Service Code only)

NOTE: Only during Factory Mode, default is six digits

Press and hold [8] until double beep and keypad LED stays ON

Enter 8-digit Service default Code, double beep = OK

Press and release [6], then enter the desired Code length (6, 7 or 8)

Double beep = OK

Codes in Use

**Service Code**

Manager Code

User Codes

1-								
2-								
3-								
4-								
5-								
6-								
7-								
8-								
9-								
10-								
11-								
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QSecurityProducts.com

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WHO is QSecurity?

QSecurity is owned by Clay Miller and April Truitt. Staff includes industry veterans Deanna DeBorde, Michael Hadley, Ellis Gibbs, Ryan Griffeth, 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?



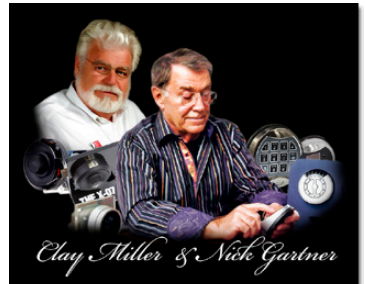
Over the years, Lockmasters, LSI and LTI have all called Nicholasville, Kentucky home. Naturally, Nicholasville is also now the headquarters for all QSecurity Industries divisions.

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 inventors 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.



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