C.Q.R.iT® key cabinets

Technical Data Sheet (FW version 2.0808b)

Overview
C.Q.R.iT® electronic key cabinets provide comprehensive electronic access control to physical key bunches (or other portable items). Items are mechanically locked in place behind a door with a two-point locking mechanism. Access is only granted after successful authentication.

Power	
PSU	Input: 110V – 240V Auto-detecting transformer
Certifications	CE N19914 FC RoHS Tested to comply with FCC standards This Class[B] digital apparatus complies with Canadian ICES-003

Authentication	
Authentication Device Input	Wiegand
Recommended Authentication Methods *(applies to every user on cabinet)*	User ID + PIN Wiegand input + PIN User ID or Wiegand input + PIN *(User ID: 1-6 digits* *PIN: 3-12 digits)*
Other Authentication Methods *(applies to every user on cabinet)*	User ID only Wiegand input only User ID or Wiegand input
Authorized Control Mode (ACM) *Cabinet will not let users log in using any method above until a valid external signal is received (e.g. from Access Control System or Breathalyzer)*	Accepts: Pulse; or Closure of normally open relay.

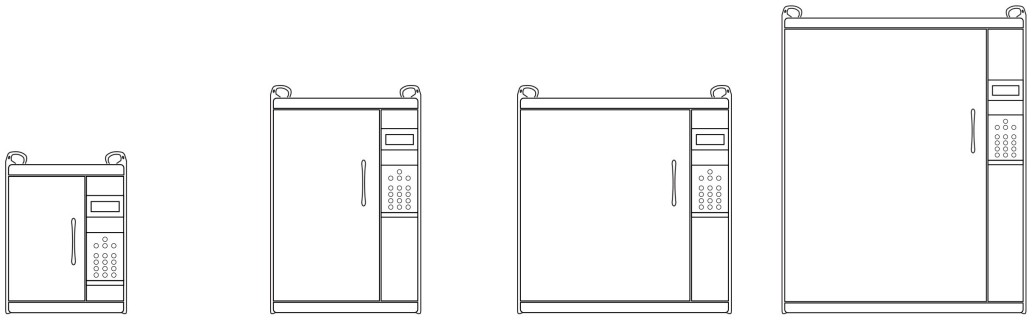
Alarms		
Volume Settings *(audible at cabinet)*	0-4	
Configurable Events *(audible alarm at cabinet)*	Door Forced Door Left Open Door Warning	Key Forced Tamper
Output Relays *(normally open or normally closed)*	2 (built in) 8 (optional expansion board provides 6 additional relays)	
Configurable Events for Relay Output *(configured at cabinet)* Duration of Relay Signal: 1 – 250 seconds *(configured at cabinet)* *NB: Relays are non-specific per key*	Duress Access Attempt Session Initiated Session Terminated Door Opened AC Power Outage Low Battery Tamper Door Left Open Door Forced Key Taken Key Returned Key Forced Key Alarm Key Timer Expired	

Key panel	
LEDs	4 possible states per key position - *Green: access granted* - *Orange: additional security* - *Red: alarm or max. limit reached* - *Off: no access*
Carrier key	5 pin, dimple key.
Specific return	Carrier keys are always returned to same location
SUR	Same User Return - optional per key
Key Timer	Configurable per key (1min – 7days)
Multi-custody	Configurable for removal and return of key: 1-12 users required to authenticate
Time profiles	Time-based access configurable against user group
Max keys allowed	Applies to every cabinet

Construction	
Chassis	1.6mm steel, powder coated (oyster)
Door	1.6mm steel, powder coated (oyster)
Top/Bottom	Aluminum extrusion
Key Panel	1.6mm stainless steel
Sides	2mm steel, powder coated (graphite ripple)
Key Pad	Mechanical switches / Mylar overlay *(NOT membrane switches)*

Comms	
Network	TCP/IP standard. Static IP Address required – DHCP not supported.
USB	Port inside cabinet door
Stand-alone	Software required to program cabinet, although constant connection not necessary until logs fill up.

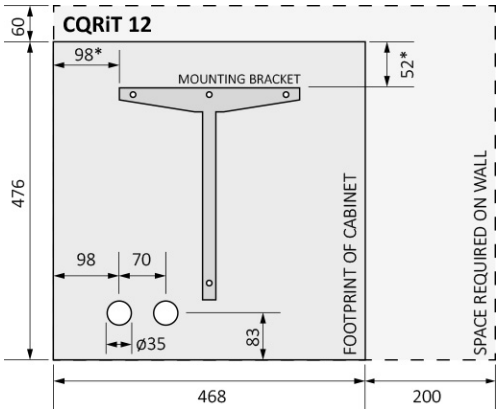
Compatibility
C.Q.R.iT® key cabinet firmware version 2.0808b is compatible with KeySecure® software version 1.3.5.2



Name	C.Q.R.iT® 12	C.Q.R.iT® 25	C.Q.R.iT® 50	C.Q.R.iT® 100
Capacity	12 bunches	25 bunches	50 bunches	100 bunches
Weight	12.5kgs	25kgs	32kgs	60kgs
Total cabinet dimensions *(including wings)*	H476mm x W668mm x D170mm	H696mm x W509mm x D170mm	H696mm x W724mm x D170mm	H987mm x W893mm x D170mm
Space required on flat wall *(see next page)*	H536mm x W668mm	H756mm x W709mm	H756mm x W924mm	H1047mm x H1093mm
Key panel pattern	6 rows of 2, offset	Alternating rows of 3 and 2	10 rows of 5, offset	14 rows of 7 plus a row of 2
Spacing of key positions	Horizontal: 89mm Vertical: 112mm			
Cable entry points	Two entry holes in back of cabinet. Two entry holes in underside of cabinet beneath keypad.			

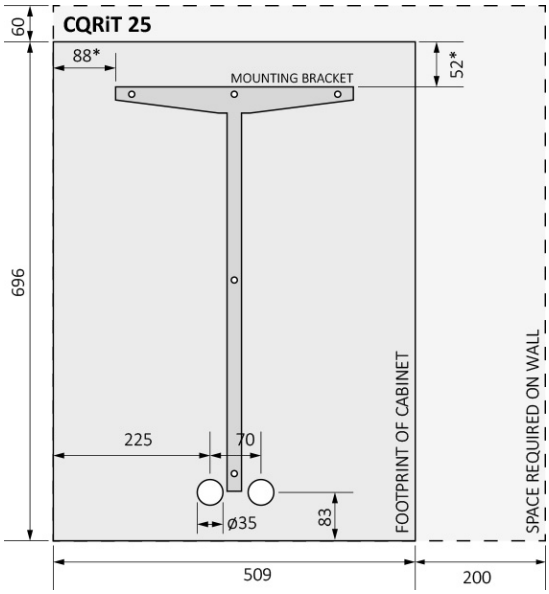
On-board memory				
	Standard FW	Optional FW 1*	Optional FW 2*	Optional FW 3*
Users	1,500	5,000	10,000	2,500
User Groups	100	100	100	500
Item Groups	100	100	100	100
Transactions	75,000	50,000	12,250	22,250

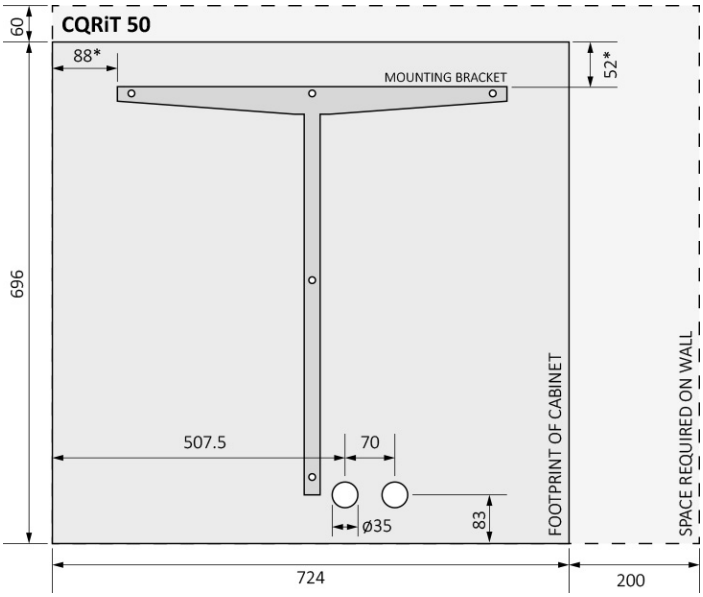
**Non-standard FW versions may have operational effects on the cabinet. These should be discussed with CIC prior to implementation. Additional charges may apply.*

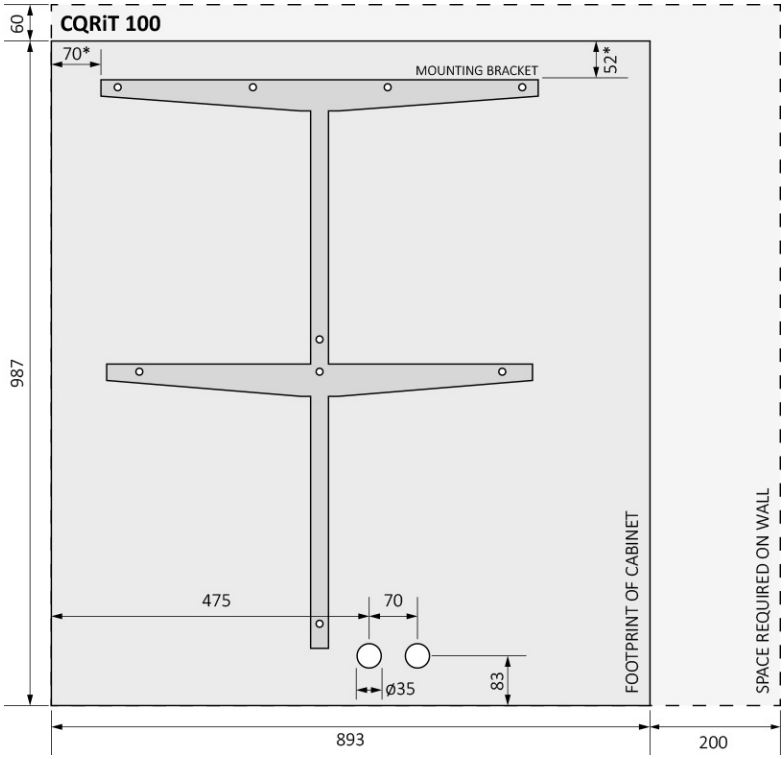


Installation Dimensions

Cable entry points: two holes in back of the cabinet (cables through the wall) or two holes in the bottom of cabinet under the keypad (cables run externally).
Void space: 200mm required on right of cabinet to slide out Control Unit for service and maintenance.
Standard height: top of mounting bracket at 1700mm from the floor.







Please note:

* Mounting bracket is a separate piece to the cabinet chassis. Dimensions with asterisks are approximate due to tolerance in attachment points.

Holes in the bracket are approx. 9mm in diameter.

Cabinet mounts almost flush to mounting bracket. Use countersunk fixings where possible: