

Accessories (not shown)

Parts Description	Catalog Number
4 Cell Battery Holder**	C83511 (Standard)
4 Cell Shrink Wrapped Battery Pack*	VPD-BB (4SW option)
8 Cell Battery Door***	B62129
8 Cell Battery Holder**	C83522 (8CE option) 40 lbs.
8 Cell Shrink Wrapped Battery Pack***	Battery Holder**
Standard Driver Bit	VPD – T15

*VPD-BB can be used in both legacy one piece inside trim and 2010 or newer two pieces inside trim **Cannot be used with legacy one piece trims or EX units and can only be used with 2010 or newer locks or in conjunction with retrofit kit ***Can only be used with one piece legacy trim

40HZ – Mortise Specifications

Mechanical

Case – 0.095" cold rolled steel, 5 7/8" H x 7/8" D x 4 1/16" W. Steel is zinc dichromate plated for corrosion protection.

Faceplate – Brass or bronze material, 8" H x 1 1/4" W x 1/16" T. Automatically adjusts to proper bevel during installation.

Strike – Brass, bronze, or stainless steel base material, 4 7/8" H x 1 1/4" W x 3/32" T. ANSI A115.1. Universal (non-handed) strike supplied standard with lock.

Backset – 2 3/4"

Certification – UL listed for GYQS electrically controlled single point locks or latches for use on 3 hour A label doors. The listing applies for both U.S. and Canadian applications.

Door Thickness – Standard lock configuration designed for doors 1 3/4" thick. Thick door configuration available for doors up to 3" thick (specify thickness when ordering).

Latchbolt – Solid stainless steel, 3/4" throw. Latch is oil-impregnated for anti-friction operation reversible without opening case.

Deadbolt – Stainless steel, 1" throw.

Auxiliary bolt – Stainless steel, non-handed.

Lever handle – Brass, bronze, or stainless steel base material. Lever styles 3, 14, and 15 return to a minimum of 1/2" of door surface. Lever 12, 16 and 17 do not return.

Escutcheon – 10 1/2" H x 3 5/16" W x 1" D (1" at the top, sloping down to 3/4" at the bottom)

Finishes –

- 605 - bright brass, clear coated
- 606-satin brass, clear coated
- 611-bright bronze, clear coated
- 612-satin bronze, clear coated
- 613*-oxidized satin bronze, oil rubbed
- 619-satin nickel plated
- 625-bright chromium plated (brass base material)
- 626-satin chromium plated (brass base material)
- 690**-dark bronze coated (brass base material)

* 613 finish is designed to wear over time, providing an "antique" appearance.

** 690 finish will continue as a dark brown appearance over time.

Electronic

Primary power – 4 AA batteries (standard). 8 AA batteries for longer life, or 4 cell shrink wrapped battery pack (optional)

* Two phase battery warning system is given via audible and visual responses reducing the potential for complete power loss.

Memory backup – Maintains programming indefinitely.

Relative humidity – 10% to 90% non-condensing.

Shock – 2000 Gs RMS (maximum door-slam shock).

Compliance – Compliance to FCC, Canadian, and European EMC requirements; for interference FCC Class A digital apparatus



40HZ



40HZ – Mortise Specifications (Cont'd)

Keypad

Bezel size – 2 5/8" W x 3 3/8" H.

Material – Bezel–High impact ABS, Keypad–Encapsulated elastomer.

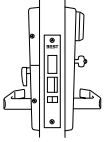
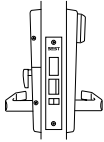
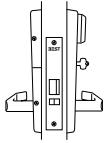
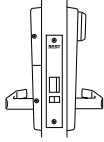
ESD Protection – 15KV

Button operating life – 3-5 million cycles.

Button operating force – 3.88 ounces.

Sealing – Weatherproof lens and gasket provides protection for outdoor use (Usable in most environmental/exterior applications)

40HZ – Mortise Functions

Function & Diag. (ANSI No.)	Mechanical	Electronic
Deadbolt w/ key override (TV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Deadbolt operated by key outside and turn lever inside. When deadbolt is extended, turning inside lever or electronically unlocked outside lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt.	Internal motor drive mechanism operated by electronic signal when presenting valid token. Green light indicates valid access. Red light and sounder indicate invalid access attempt. Electronic sensor recognizes whether deadbolt is retracted or thrown. Lock grants access only to deadbolt-authorized personnel when deadbolt is thrown.
Deadbolt w/o key override (LV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism. Deadbolt operated by turn knob inside. When deadbolt is extended, turning inside lever or electronically unlocked outside lever retracts both deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt.	
Latch w/key override (DV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism; latchbolt is retracted by key outside. Auxiliary latch deadlocks the latchbolt.	
Latch w/o key override (NV) 	Latchbolt operated by lever either side, except when outside lever is locked by internal motor drive mechanism. Auxiliary latch deadlocks the latchbolt.	

Levers/Knob



Mortise #3



Mortise #12



Mortise #14



Mortise #15



Mortise #16



Mortise #17



Mortise #4



Cylindrical #14



Cylindrical #15



Cylindrical #16