

Series: QID Mortise Locks

SAMPLE SPECIFICATION

MODEL #s QID-MN1, MN2, MU1, MU2 or MS1

Instant Deadbolt Locking Classroom Function Mortise Lockset

SECTION 08700 DOOR HARDWARE

Part 2 - Products

2.01 - Materials and Manufacturers

_. Locksets and Latches

1. *Locksets and latches shall be heavy duty type with function, trim and finish as specified.*
2. *Classroom security locksets*
 - a. *Locksets shall be QID mortise locksets, as manufactured by Securitech Group, Inc. Locksets are to be installed into the door in the standard ANSI A156.13 mortise preparation. The strike shall fit into a standard 4-7/8" strike preparation.*
 - b. The lock case shall be made of stainless steel. The lock face plate shall measure 1-1/4" wide by 8" tall and .075" thick. The face plate shall contain appropriate openings for the deadbolt and latchbolt.
 - c. The lockset shall provide the classroom locking function via use of a cylinder from the interior or exterior (as per model function description below), which shall render the exterior lever rigid and inoperable until such time as unlocked by key. The lockset body and trim shall accommodate an exterior mortise cylinder and may accommodate an interior cylinder (as per model function below). The interior lever shall provide single motion exiting at all times.
 - d. The interior escutcheon shall also include a deadbolt projection button, which when depressed, shall project the deadbolt without use of keys. Deadbolt shall not be activated by any means other than the deadbolt projection button.
 - e. The deadbolt projection button shall be located below the lever and painted red. The button shall allow for movement of 1/8" prior to deadbolt projection. Depressing the button for less than 1/8" shall not activate the deadbolt. The button shall project 0.85" from the face of the trim and project a minimum of 1.25" less than the lever trim shank.
 - f. The deadbolt shall be 1" tall, fabricated of stainless steel and project a minimum of 1" from the lock body. Projection of the deadbolt shall also instantly lock the exterior lever.
 - g. MN1 function: Mortise cylinder shall activate/deactivate the classroom locking function from exterior side of the door only. The deadbolt shall retract simultaneously with the latch bolt in a single motion from the interior, without use of a key. From the exterior, the deadbolt shall retract upon depression of the lever when the lock is unlocked by key. The exterior lever remains locked after projection of the deadbolt until such time as it is unlocked by key from the exterior side of the door. There is no interior cylinder.

MN2 function: Mortise cylinders shall activate/deactivate the classroom locking function from interior and exterior sides of the door. The deadbolt shall retract simultaneously with the latch bolt in a single motion from the interior, without use of a key. From the exterior, the deadbolt shall retract upon depression of the lever when the lock is unlocked by key. The exterior lever remains locked after projection of the deadbolt until such time as it is unlocked by key from either side of the door.

MU1 function: Mortise cylinder shall activate/deactivate the classroom locking function from exterior side of the door only. The deadbolt shall retract simultaneously with the latch bolt in a single motion from the interior, without use of a key. When the exterior lever is locked solely by the use of the deadbolt projection button, use of the interior lever to exit shall also unlock the exterior lever. The deadbolt shall retract upon depression of the lever when the lock is unlocked by key from the exterior. There is no interior cylinder.

MU2 function: Mortise cylinders shall activate/deactivate the classroom locking function from key cylinders on either side of the door. The deadbolt shall retract simultaneously with the latch bolt in a single motion from the interior, without use of a key. When the exterior lever is locked solely by the use of the deadbolt projection button, use of the interior lever to exit shall also unlock the exterior lever. The deadbolt shall retract upon depression of the lever when the lock is unlocked by key from the exterior.

MS1 function: Mortise cylinder shall momentarily deactivate the storeroom locking function from exterior side of the door. The deadbolt shall retract simultaneously with the latch bolt in a single motion from the interior, without use of a key. From the exterior, the deadbolt and latchbolt shall retract using the mortise cylinder. The exterior lever remains locked at all times. There is no interior cylinder.

- h. A mechanical indicator, mounted on the interior escutcheon below the upper mounting screw, shall switch to red when the deadbolt is projected. A transparent lens shall protect the indicator.
- i. The exterior lever handle shall be fabricated of cast stainless steel and contain a slip-clutch apparatus which will lower or rise without retracting the latch if depressed without insertion of the key or electric release.
- j. The interior and/or exterior trim shall contain independent springs for lever movement. These springs shall be coil-type (spiral) and shall be free of any flat edges. Movement of the lever shall be restricted by the trim so that over rotation of the lock trim shall not be possible. The finish of the trim and lever sets shall be 630 (satin stainless steel). The strike plate shall be stainless steel.
- k. Mortise cylinder(s) are required and shall be provided as specified elsewhere, separately from the QID lockset.
- l. Manufacturer's information: Securitech Group, Inc. 54-60 46th Street Maspeth, NY 11378 (718) 392-9000

Product Usage Note:

Function & Typical Application

MN1: Exterior Cylinder Only Classroom lock, K-12, teacher-attended classroom

Exterior lever locks when red button is depressed, remains locked until released by key

MN2: Double-Cylinder Classroom lock, K-12, teacher-attended classroom

Exterior lever locks when red button is depressed, remains locked until released by key

MU1: Exterior Cylinder Only Classroom lock, University, open classroom

Exterior lever locks when red button is depressed, unlocks when interior lever is used for exiting

MU2: Double Cylinder Classroom lock, University, open classroom

Exterior lever locks when red button is depressed, unlocks when interior lever is used for exiting

MS1: Exterior Cylinder Only Storeroom Deadbolt closed classroom lock, K-12,

Exterior lever always locked. Deadbolt extends when red button is depressed, unlocks when interior lever is used for exiting or by outside key cylinder.