



# MARKS USA®

## ELECTRIFIED LOCKS



Marks USA's new Electrified Lock Series offers labor-saving electrified models in both mortise and cylindrical locksets in various functions, and for a variety of applications. Marks USA offers both Mortise and Cylindrical solenoid-operated locks in 12, or 24 VDC. Electrified locks utilize solenoid actuators and are supplied with bridge rectifiers for use with either AC or DC current.

### Ideal Applications:

- **Stairwell Doors** - With fire alarm integration
- **Man-Traps** - With enterprise access control
- **Receptionist Buzz-in applications**
- **Hospitals** - Wired to touchless &/or ADA pads for entry thru locked doors

*Marks USA New Electrified Locks in Mortise & Cylindrical*



### Features

- **Flexibility in ease of installation.** Marks USA can offer dramatic savings in time and labor over electric strikes, and a cleaner installation, by wiring directly through the hinges. This eliminates the time-consuming requirement of cutting into cement-filled frames.
- **Marks USA Mortise models provide better security, with various modes of operation and lock information** i.e., Request to Exit switch (REX), key override switch &/or latch bolt sensor
- **Concealed latches for greater security** - Electrified mortise or cylindrical models are more secure than electric strikes, that have exposed latch keeper
- **Fail-Safe or Fail-Secure Models** - Ideal for stairwell doors with fire alarm system integration. (Choose EU Fail Secure, Electrically Unlocked or EL Fail Safe, Electrically Locked)

### Marks USA Electrified Cylindrical Leversets

- **Durable Grade 1 Models for electrical locking, unlocking, storeroom function with optional built-in Request to Exit function**
- **The "Clutch" for trouble free service** - When locked, the clutch disengages the outside lever, allowing it to turn freely without opening the latch, greatly increasing its durability and strength
- **Choice of Levers** - American (195) and Crescent (295) style levers with return; Titan (495) without return
- **Fail-Safe or Fail-Secure Models** - Ideal for stairwell doors with fire alarm system integration. Choose EU Fail Secure, Electrically Unlocked or EL Fail Safe, Electrically Locked) 100% duty cycle, 12VDC or 24VDC supplied with supplied with bridge rectifier for 24VAC
- **Myriad Options for cylinders, functions & finishes.** Hi-Security™, Conventional, IC core for Best™ size cores, Schlage™, Yale™, Medeco™ as well as others. Finishes US 3, 4, 10, 10B, 26, 26D
- **Easy Electrified installation**
- **Code-Compliant - Grade 1, ADA compliant, ANSI/BHMA Spec 156.2 Series 4000;** UL Listed for 3 hour fire rating
- Standard 2-3/4" backset; 2-3/8", 3-3/4" & 5" optional. Door thickness 1-5/8 to 1-7/8".
- Strike #1135, 4-7/8" ASA curved lip

- **Cylindrical Models with Long Life Stainless Steel Retractor**
- **Mortise Model with Quick Connect Harness**, with 2 convenient plug-in connectors for easy, quick wiring. One is always used; the second optional plug-in connector is used only with key position sensor.
- **Request to Exit & Latch Bolt-monitored options.** Are frequently chosen, for example, to integrate with enterprise access control and/or "man-traps"
- **12VDC & 24 VDC compatible (AC rectifier module supplied)**
- Mortise Low operating current for cool running (265 mA 12VDC; 150mA 24VDC)
- **Meet or Exceed ANSI/BHMA A156.13 Grade 1**

### Popular Marks USA Cylindrical Models:

- 195FEL26D** - Electrically-locked Grade 1 Survivor™ Lockset, US26D
  - 195FEU26D** - Electrically-Unlocked Grade 1 Survivor™ Lockset US26D
- Contact Marks for additional functions, finishes & options

### Marks USA Cylindrical Leversets w/Built-In Request to Exit

*All the features above, plus with integral request to exit (REX) switch, ideal for access control applications. Activating the inside lever for egress initiates the built-in REX output, providing a momentary signal for the access control REX input for alarm shunt during egress.*

- Electrical Spec: Single pole, double throw 3A, 125 AC wired NO or NC

### Popular Marks USA Cylindrical REX (Request to Exit) Models

- 195FEL26DW10** - Electrically-locked Version w/ REX Switch, US26D
- 195FEU26DW10** - Electrically-Unlocked Version w/ REX Switch, US26D

Contact Marks for additional functions, finishes & opts.  
(Note Always use Suffix W10 for REX)



# Marks USA Electrified Mortise Locks

Marks USA Mortise Locks deliver additional safety, security, and convenience. Different electrified options allow integration to fire alarms and/or networked access control systems while preserving the durability and reliability that makes them and Marks USA products a leading choice for high traffic applications.

- Marks USA Mortise locks are 12VDC or 24VDC source, powered from a power supply or control panel

*Choose Fail Safe or Fail Secure - Fire related applications, i.e., stairway doors need to be locked in case of fire and wired directly into Fire Alarm System. In fail-safe mode, power must be applied to lock the lock, whereas in the fail-secure mode power must be applied to unlock the lock. When power to the lock is disengaged or "fails", the lock will go to its fail-safe (unlocked) or fail-secure (locked) mode. (Note - Most electrified mortise locks are ordered as fail-safe.)*

- **Provision for up to 3 separate sensors:** A key position sensor, a request to exit sensor, and a latch throw/retracted sensor
- **Fail-Safe or Fail-Secure Models** - Ideal for stairwell doors with fire alarm system integration. (Choose EU Fail Secure, Electrically Unlocked or EL Fail Safe, Electrically Locked)
- **Myriad Options for cylinders, IC core housings, functions, finishes, US 3, 4, 10, 10B, 26, 26D**
- **Intrusion System Application** - Exit sensors can signal to unlock the door and bypass the intrusion alarm on the door.
- **Electrically-controlled mortise lock** that allows external control of the lock.

Contact Marks for ordering from numerous function options, finishes & trim types available on Mortise Locks, see Ordering Info. section.

## MARKS USA SPECIFICATIONS & ORDERING INFORMATION:

### Marks USA Mortise Models Specifications

- Backset: 2-3/4" Backset ONLY
- Bolt: 1" Stainless steel bolt throw
- Latch: 3/4" Latch throw (anti-friction) cam; 1/2" Aux. latch throw
- Case: Stamped steel case .090 thick., Zinc dichromate finish
- 1-1/4" x 8" Lock front, Adjustable bevel
- Sintered Steel hubs, 9/32" on diamond, 5/16" on square w/ security separator
- 100% Duty Cycle 24V/DC, 12V/DC Optional supplied with bridge rectifier (350 mA)

Weight, Lock Body ..... 2.5lbs

#### Operating Current:

12V system ..... 265mA (typical)

24V system ..... 150mA (typical)

#### Startup Current:

12V or 24V system ..... 400mA (typical)

Used w/AC to DC Rectifier, Maximum Rectifier Current ..... 1A

#### Temperature:

Operating: ..... -20°C to 60°C (-4°F to 140°F)

Storage: ..... -40°C to 85°C (-40°F to 185°F)

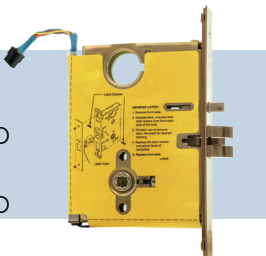
#### Wire Gauge Chart:

The maximum length of each power wire based on gauge (for either 12V or 24V power):

- #22 AWG - 150 feet maximum per wire
- #20 AWG - 250 feet maximum per wire
- #18 AWG - 400 feet maximum per wire
- #16 AWG - 600 feet maximum per wire

### Mortise Ordering Info:

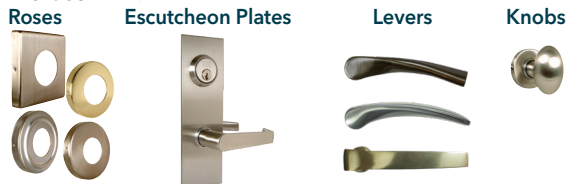
- **195FEL26DW10** - Electrically-Locked Mortise Lock w/Request to Exit Switch, 26D
- **195FEU26DW10** - Electrically-Unlocked Mortise Lock w/Request to Exit Switch, 26D



### Mortise Lock Options:

- Request to Exit Switch ..... Code W10
- Key Override Sensor ..... Code W11
- Request to Exit Switch Key Sensor & Latch Bolt Sensor ..... Code W13
- Bolt Sensor ..... Code W14
- Latch Sensor ..... Code W15

### Mortise Trim:



### Marks USA Cylindrical Models Specifications

- Backsets: 2-3/4", 2-3/8", 3-3/4", 5"
- Latch #1834, Front: 1-1/8" x 2-1/4"; Throw: 9/16"; Stainless steel nose
- Levers: Solid cast Zamac w/ 1/2" return (195 and 295 only)
- Rose: Thru-bolted, 3-7/16" dia., spring loaded 2-#10 thru-bolts
- Strike: #1135, 4-7/8" ASA curved lip
- Door thickness: 1-5/8" to 1-7/8" (For 1-3/8" door use K1704 spacer)
- Cylinder: Marks "C" keyway, 6 pin w/ 2 keys or IC Core housing
- Weight: ..... 6lbs
- **Electrified functions** - 100% duty cycle, 24V/AC supplied with bridge rectifier; 24V/DC, .21 Amps
- **Electrical, REX Models** - Single pole, double throw 3A, 125 AC wired NO or NC

#### Temperature:

Operating: ..... -20°C to 60°C (-4°F to 140°F)

Storage: ..... -40°C to 85°C (-40°F to 185°F)

#### Wire Gauge Chart:

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- #18 AWG - 400 feet maximum per wire
- #16 AWG - 600 feet maximum per wire

### Cylindrical Ordering Info:

- **195FEL26D** - Electrically-Locked Grade 1 Cylindrical Lockset, 26D
- **195FEU26D** - Electrically-Unlocked Grade 1 Cylindrical Lockset, 26D



American Lever 195    Crescent Lever 295    Titan Lever 495



Value Engineered for Long-Life & Savings up to 40% Less than Top Name Brands - Meets/Exceeds Industry Standards