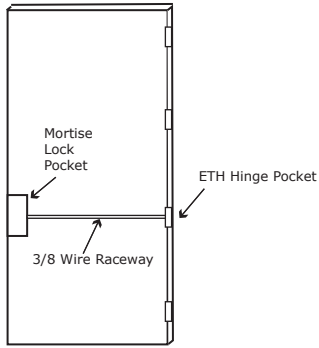


Installation Instructions ML8080/ML8053

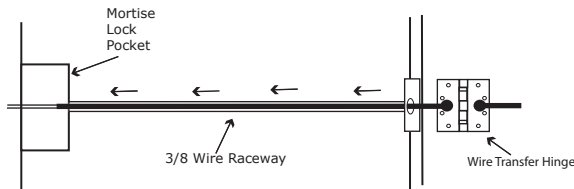


Cal Royal Lock modified by Command Access Technologies

STEP 1: The door must be machined with a 3/8" wire raceway, mortise lock pocket & prepped for an energy transfer hinge. **Make sure the mortise pocket is free of debris.**

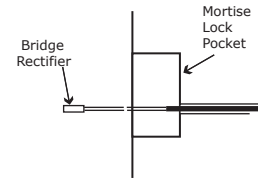


STEP 2: Run the wires from the ETH hinge through the 3/8" raceway starting at the ETH hinge & exiting into the mortise pocket.

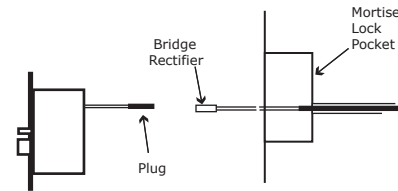


STEP 3: Screw the ETH hinge to the door. At this time **DO NOT** connect the hinge wires on the jamb side to the wires coming from the power supply.

STEP 4: Connect the wires exiting the mortise pocket to the Bridge Rectifier (included).



STEP 5: Connect the Bridge Rectifier to the plug exiting the mortise chassis.



STEP 6: Carefully slip the connected mortise lock chassis into the mortise pocket paying close attention not to pinch any wires.

STEP 7: Mount the chassis per manufacturer's instructions.

STEP 8: Connect the wires from the power supply at the ETH hinge on the jamb side. Connect the hinge to the jamb.

LEGEND OF TERMS

EU: (Fail Secure) When power is applied, the outside trim will unlock. When power is removed, the outside trim is locked.

EL: (Fail Safe) When power is applied, the outside trim will lock. When power is removed, the outside trim is unlocked.

REX: (Request to Exit Switch) Monitors the inside handle.

LBM: (Latchbolt Monitor Switch) Monitors the position of latchbolt.

ELECTRICAL SPECIFICATIONS

SOLENOIDS:

VOLTS	CURRENT	COIL RESISTANCE
24VAC/DC	350mA	69 Ohms +/- 10%
12VAC/DC	700mA	18 Ohms +/- 10%

SWITCHES: 5A 124VAC/DC

REX: Green - Common (C)
Blue - Normally Open (NO)
Gray - Normally Closed (NC)

LBM: Green/Black - Common (C)
Blue/Black - Normally Open (NO)
Gray/Black - Normally Closed (NC)

DPS: Green/Red - Common (C) Blue/
Red - Normally Open (NO)
Gray/Red - Normally Closed (NC)

