ENFORCER®

Mortise Cylinder Key Switches with LED

Installation Manual

Both models are identical in appearance

RoHS

Model	Switch Type	Output
SD-72231-6MQ	DPDT	Maintained
SD-72281-6MQ	DPDT	Momentary

If a keypad or proximity card reader fails to activate an electronic lock, the user can switch between normally closed (N.C.) and normally open (N.O.) contacts using the ENFORCER Single-Gang Mortise Cylinder Key Switches with LED (available with either momentary or maintained outputs), forcing the door to open. This acts as a backup for access control systems, so that the system does not rely on the integrity of a single device.

- Keyed mortise cylinder (2 keys included)
- Mortise cylinder removable for ease of keying
- Red (standby) and green (triggered) LEDs
- Flush mount with vandal-resistant security screws
- Chrome-plated aluminum back plate fits to single-gang back box
- Stainless steel front cover conceals mounting screws
- DPDT, 25A@24VAC contact rating
- Color-coded wires for easy wiring
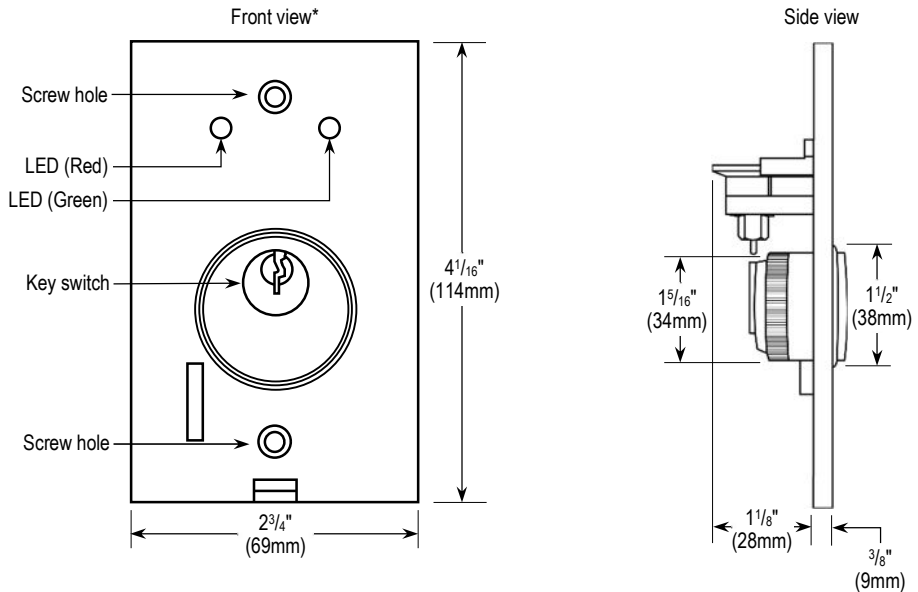- Maintained (SD-72231-6MQ) or momentary (SD-72281-6MQ) output

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Parts List

1x **Front cover**   1x **Back plate**   2x **Security screws**   1x **Security wrench**
2x **Keys***   1x **Varistor**   1x **Manual**

*No replacement keys are available. Please make replacement copies of your keys and store them in a safe place.

Specifications

Model	SD-72231-6MQ	SD-72281-6MQ
Switch type	DPDT Switch	
LED Indicators	Red (standby) and green (triggered)	
Output	Maintained	Momentary
Contact switch	25A@24VAC, NO/NC	
Dimensions	$2^3/_4$"x$4^1/_2$"x$1^7/_{16}$" (69x114x37 mm)	

Overview

Front view*

Screw hole

LED (Red)
LED (Green)

Key switch

Screw hole

$4^1/_{16}$"
(114mm)

$2^3/_4$"
(69mm)

Side view

$1^5/_{16}$"
(34mm)

$1^1/_2$"
(38mm)

$1^1/_8$"
(28mm)

$^3/_8$"
(9mm)

*NOTE: Shown without cover.

Installation

1. Remove the front cover from the unit.
2. Thread the cable wire through the electrical box.
3. Connect the wires to the switch using the wiring diagram below.
4. Fasten the back plate to the electrical box using the included security screws.
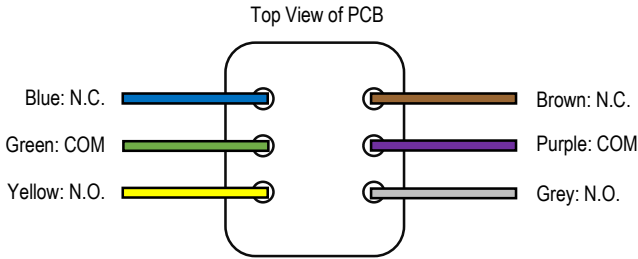5. Finish assembly by snapping the front cover onto the back plate.

Security screws
Front cover
Back box (not included)
Back plate
Security wrench (included)
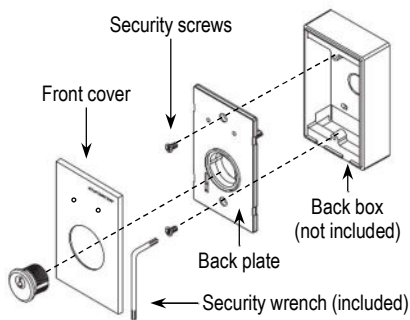
Sample Application

1. An electromagnetic lock is connected to the normally closed (N.C.) side of one of the switch outputs of the SD-72281-6MQ.
2. A strobe light is connected to normally open (N.O.) side of the other switch output of the SD-72281-6MQ.
3. Activating the switch of the SD-72281-6MQ will unlock the electromagnetic lock and trigger the strobe light.
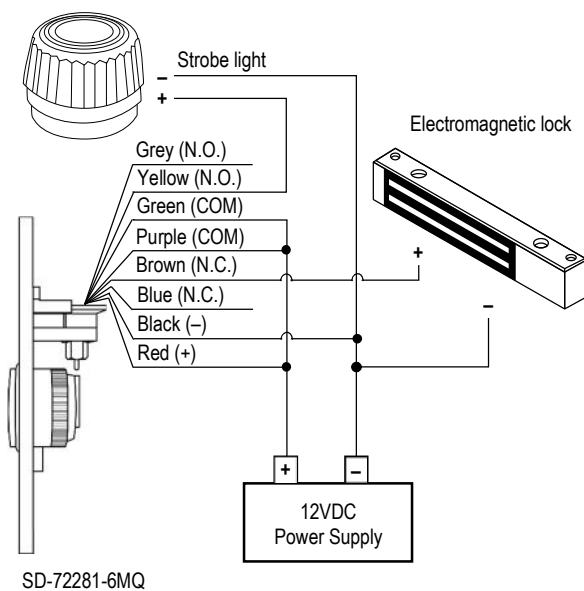
NOTE: The above application is an example of a momentary output. If a maintained output is required, then use the SD-72231-6MQ instead.

Strobe light
Electromagnetic lock
Grey (N.O.)
Yellow (N.O.)
Green (COM)
Purple (COM)
Brown (N.C.)
Blue (N.C.)
Black (−)
Red (+)
12VDC Power Supply
SD-72281-6MQ

Wiring Diagram

Top View of PCB

Blue: N.C. ———————— Brown: N.C.

Green: COM ———————— Purple: COM

Yellow: N.O. ———————— Grey: N.O.

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