

DMP 734 Access Control Module User Guide

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734 Access Control Module Quick Start Guide

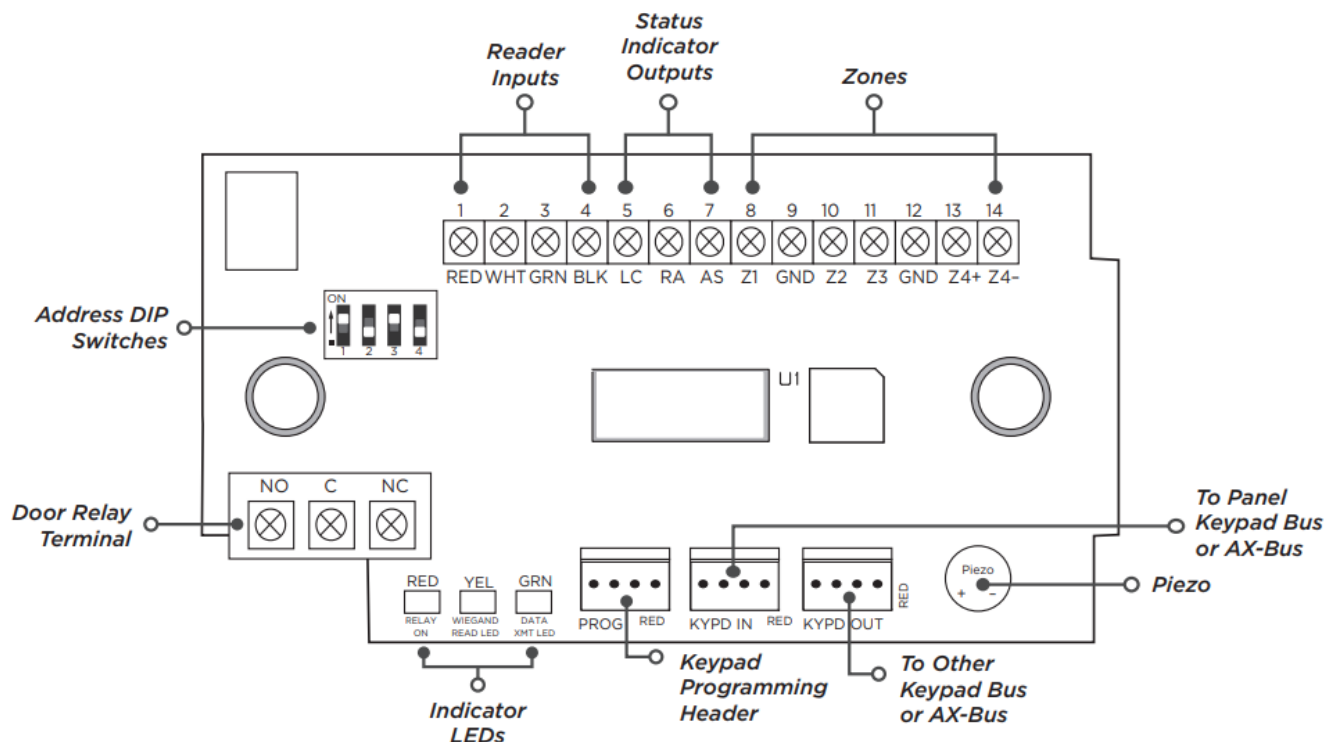
This quick start guide walks you through installing the access control module.

Full Installation and Programming Guide

To view the full 734 Access Control Module Installation and Programming Guide, scan this QR code or visit [DMP.com](https://www.dmp.com).



<https://www.dmp.com/assets/LT-0737.pdf>



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Step 1: Mount the 734

The back and ends of the 734 housing have wire entrances. The back also contains multiple mounting holes that allow you to mount the module on a single-gang switch box. DMP recommends mounting the 734 near the protected door.

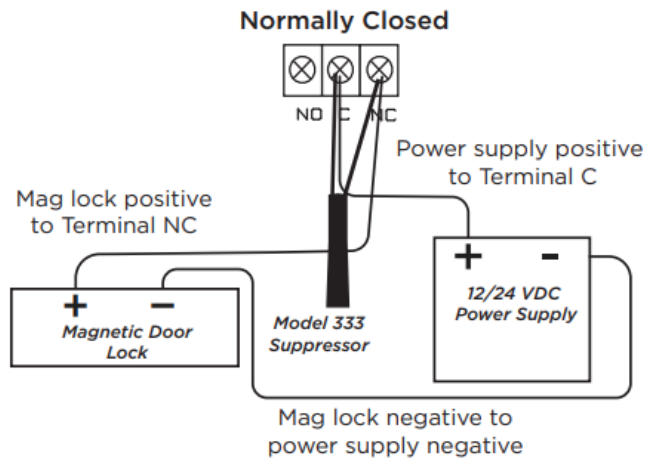


Figure 1: Typical Magnetic Lock Wiring

1. Remove the PCB from the plastic housing by loosening the clips on one side and gently lifting it out of the housing base.
2. Insert the included screws in the desired mounting hole locations and tighten them to secure the housing to the surface.
3. Reinstall the PCB in the housing base.

Step 2: Wire the Access Control Lock

The Form C relay draws up to 35 mA of current and contacts are rated for 10 Amps (resistive) at 12/24 VDC. When connecting multiple locks to the Form C relay, the total current for all locks cannot exceed 10 Amps. The three relay terminals marked NO C NC allow you to connect the device wiring to the relay for module control. Use an additional power supply to power magnetic locks and door strikes.

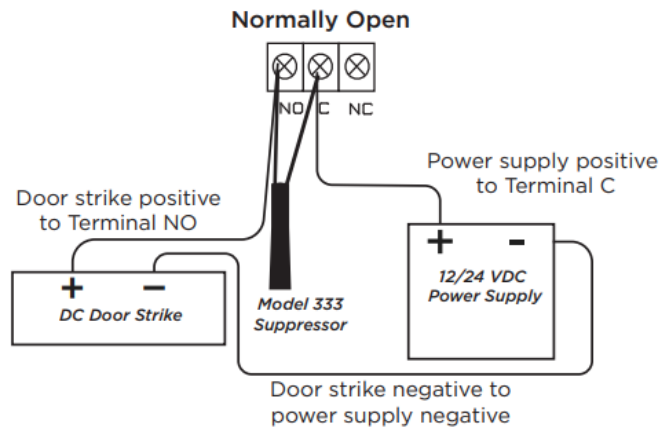


Figure 2: Typical Door Strike Wiring

Step 3: Wire the 734

KYPD IN (Keypad In): Receives and transmits data to the panel Keypad bus/AX-Bus.

KYPD OUT (Keypad Out): Receives and transmits data out to other keypad(s) or module(s). Install a dual-connector harness to allow connection to other devices up to the maximum number of devices supported.



Caution: When the 734 is powered from 24 VDC, do not connect devices to KYPD OUT header.

Step 4: Isolation Relay (Optional)

The Form C relay can control a device that draws less than 10 Amps of current. If a device draws more than 10 Amps of current, or the sum of all devices controlled by the Form C relay exceeds 10 Amps, an isolation relay must be used.

Step 5: Install the 333 Suppressor

Use the included 333 suppressor with the 734 to suppress any surges caused by energizing a magnetic lock or door strike. Install the 333 across the module's C (common) and NO (normally open) or NC (normally closed) terminals.

If the device being controlled by the relay is connected to the NO and C terminals, install the suppressor on the NO and C terminals. Conversely, if the device is connected to the NC and C terminals, install the 333 Suppressor on NC and C terminals.

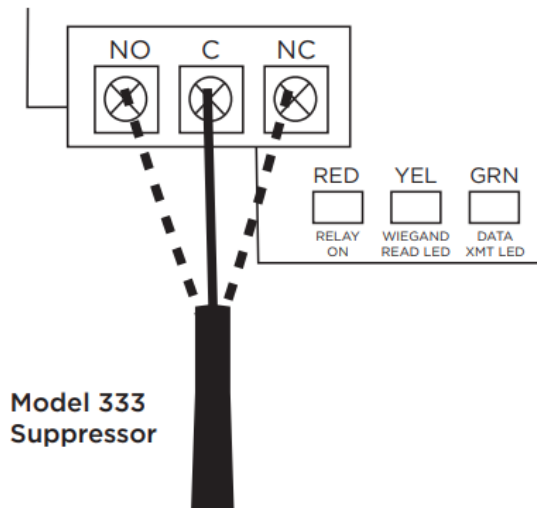


Figure 3: 333 Suppressor Installation on the 734

Step 6: Wire the Zone Terminals

Terminals 8 through 12 connect grounded zones 1 through 3. These zones have a grounded side and cannot be used for fire-initiating devices. Zones 2 and 3 can also be used for access control with zone 2 providing a bypass feature and zone 3 providing request to exit functionality. Terminals 13 and 14 connect to zone 4. Zone 4 provides a non-powered Class B ungrounded zone suitable for connection to fire devices such as heat detectors or pull stations.

Note: You must provide a mechanical means of resetting four-wire smoke detectors or other latching devices on zone 4. The panel does not drop power to the Keypad Bus or AX-Bus when a Sensor Reset is performed.

Use the supplied 311 1k Ohm End-of-Line (EOL) resistors on each zone. Refer to the panel programming guide for programming instructions

Step 7: Connect a Card Reader

The 734 provides direct 12/24 VDC output to the reader on the RED terminal connection.

Wiegand Card Reader

The green wire carries Data Zero (D0), and the white wire carries Data One (D1). The red wire connects 12/24 VDC and the black wire is ground.

OSDP Card Reader

For data transmission, connect the A (485 -) wire to the GRN terminal and the B (485 +) wire to the WHT terminal. For reader power, connect the red (DC +) wire to the RED terminal and the black (DC -) wire to the BLK terminal.

Step 8: Set the 734 Address

To set the 734 address, move the DIP switches on the PCB to the appropriate positions. For complete address instructions, scan the QR code at the beginning of the document.

Step 9: Connect the Power Supply

Power for the 734 can be provided by a 12 or 24 VDC power supply. The 12 VDC power can be provided by the panel keypad bus or from a separate power supply. The 24 VDC power supply can be connected directly to the relay terminal block (J1).



Warning: To avoid the risk of equipment damage, do not exceed 750 mA total output current for zones connected to the module.

Step 10: Program the Panel and 734

For all programming instructions, scan the QR code at the beginning of the document or refer to the appropriate panel guide.

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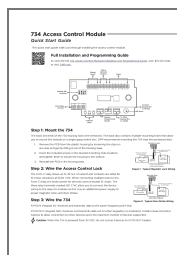
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734 Access Control Module, 734, Access Control Module, Control Module, Module

References

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