

Serial Door Controller Installation

www.gymassistant.com

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The Serial Door Controller controls includes one relay that will control one door.

The relay can be used in either Normally-Open mode (for an electric strike) or Normally-Closed mode (for a maglock).

The Serial Door Control requires Gym Assistant v2.0.4 or v2.6.

What's Included



Controller



Power Supply

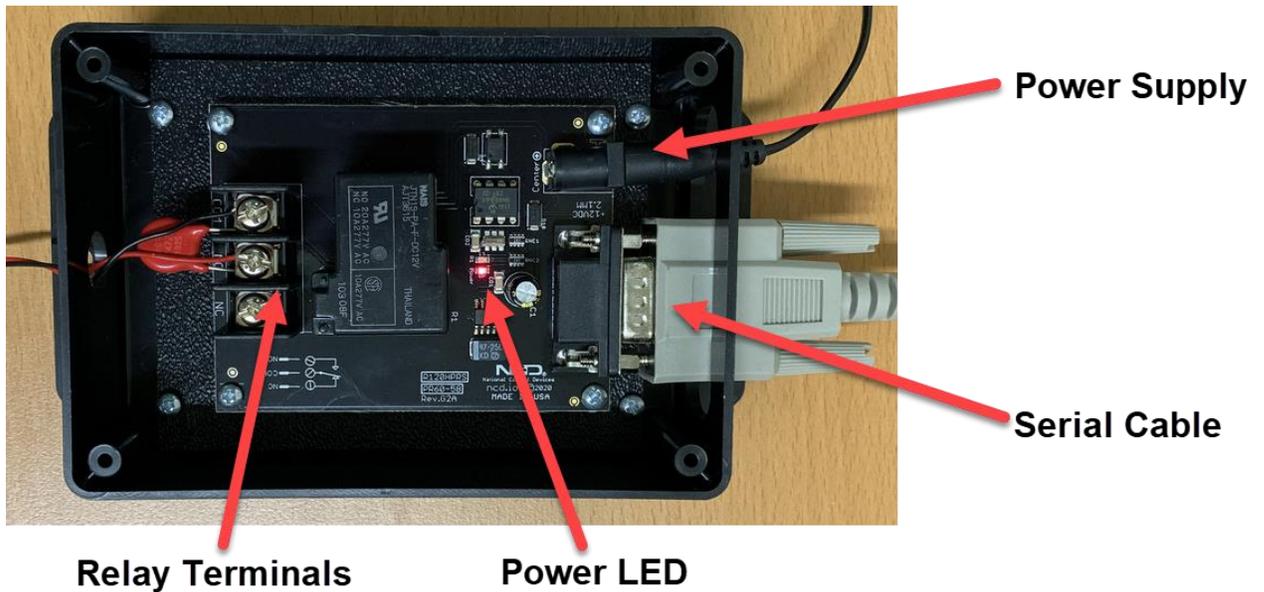


Serial Cable



USB/Serial Adapter

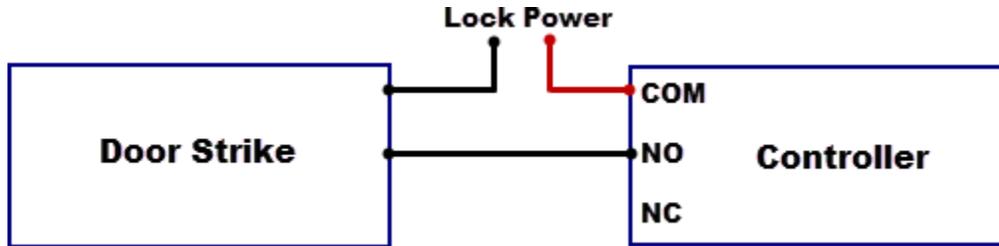
Connect the Controller to your Computer



- Connect the Power Supply to the controller and plug in the power supply. The Power LED should light up.
- Connect the Serial Cable to the controller.
- Connect the other end of the serial cable to the USB/Serial adapter.
- Connect the USB/Serial adapter to your computer.

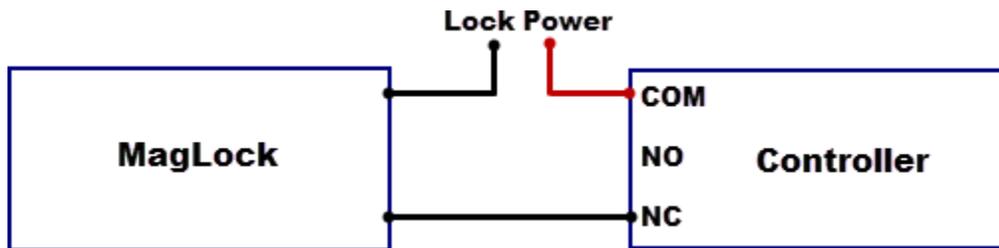
Connect the Door Lock

You must provide a power supply for the lock, as the controller power supply is intended only for the controller electronics.

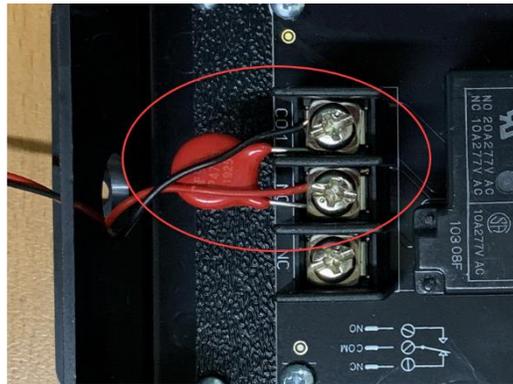


Wiring for Door Strike

Before connecting the lock wires to the controller first test the lock power supply connected directly to the lock.



Wiring for MagLock



Normally-Open connection with Varistor connected

The included varistor protects the relay from burn out. It should be connected across the same relay terminals as the door lock wires.

Configure GateKeeper

You must have Gym Assistant v2.0.4 or v2.6.

Version 2.0.4

In GateKeeper select **Access Points / Ports** from the **Settings** menu.

Access Point Settings

Entrances: 1: Front Door List All Ports

Settings for Front Door

Entrance Name: Front Door

Entrance Enabled

Ports Hours Validation Actions

Reader Enabled

Reader Type: Barcode Baud Rate: 9600 Test Reader

Reader Serial Port: COM11 Find Reader

Door Controller Enabled

Controller Type: RP-Pro Relay #: 1 Find Controller

Controller Serial Port: COM15 Baud Rate: 9600 Test Controller

Open Command: A Test Controller

Close Command: a

Delay until close: 3 seconds Re-Scan Ports

Cancel OK

Set **Controller Type** to **RP-Pro**.

Set **Relay #** to **"1"**.

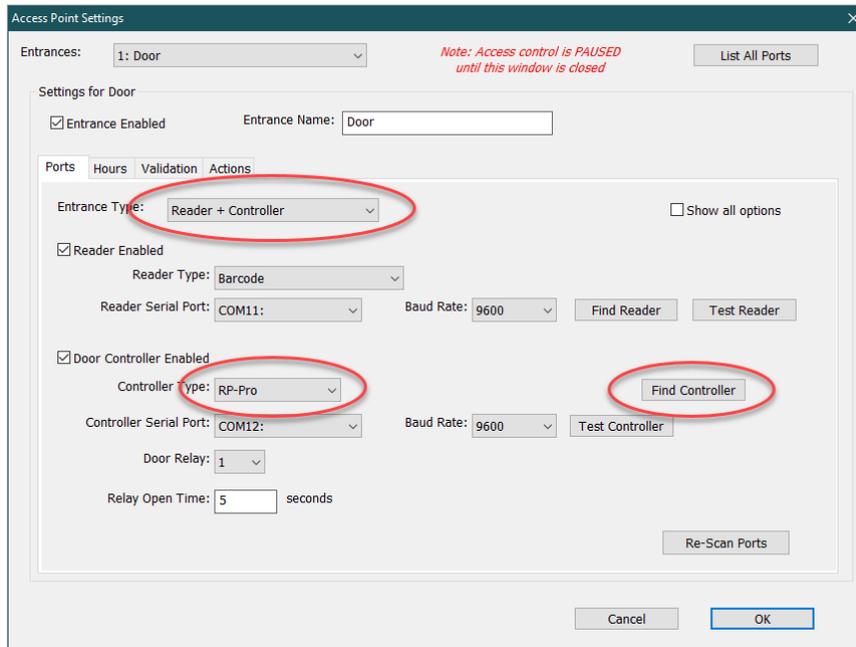
Click **Find Controller**.

GateKeeper should report the port on which the controller was found. If the controller is not found:

- Confirm that the Power LED on the controller is on.
- Confirm that the serial cable and USB/Serial and connected to the computer.
- In Gym Assistant select Help / Troubleshooting / Device Manager.
 - Confirm that the USB/Serial adapter appears under Ports.
 - Unplug/re-plug the USB/Serial adapter and confirm that it disappears and then reappears.
 - If necessary, download and install drivers for the USB/Serial adapter at: <http://www.gymassistant.com/utilities>.

Version 2.6

In GateKeeper select **Access Points / Ports** from the **Settings** menu.



Set **Entrance Type** to **Reader + Controller**.

Set **Controller Type** to **RP-Pro**.

Set **Door Relay** to **"1"**.

Click **Find Controller**.

GateKeeper should report the port on which the controller was found. If the controller is not found:

- Confirm that the Power LED on the controller is on.
- Confirm that the serial cable and USB/Serial and connected to the computer.
- In Gym Assistant select Help / Troubleshooting / Device Manager.
 - Confirm that the USB/Serial adapter appears under Ports.
 - Unplug/re-plug the USB/Serial adapter and confirm that it disappears and then reappears.
 - If necessary, download and install drivers for the USB/Serial adapter at: <http://www.gymassistant.com/utilities>.