

**-General Wiring Info-**

- Relay position refers to strike wiring location.
- Reader position refers to keypad wiring location.
- Input position refers to door sensor, also called **DPS**, wiring location.

**-On 1502-**

- **Reader1, Relay1, and input1** will be associated to **Door 1**.
- **Reader2, Relay2, and input2** will be associated to **Door 2**.

**-On MR52-**

- **Reader1, Relay1, and Input1** will be associated to **odd numbered doors** past 1 (E.g. 3, 5, 7).
- **Reader2, Relay2, and Input2** will be associated to **even numbered doors** past 2 (E.g. 4, 6, 8).

**-General Recommendations-**

- Use 22/6 shielded cable for keypad/readers within 250 ft. Use 18 for readers within 500ft.
- Use 18/4 stranded for Fail-Secure locks and 18/6 for Fail-Safe locks within 100 feet. Check strike manual for max gauge and wire-run length.
- Power supply jumper is pre-set to 12VDC. Power down before changing, if needed.
- If powering with 24V, will need to change power jumper from PT to 12V, on each panel.
- Keypads must be installed no higher than 54 inches (to the top row of keys) above the floor if side reach is available. Otherwise, 48 inches is required.
- Contact sensors are to be installed 6-8 inches from the hinges on the top of the door/header.
- Multiple batteries can be used in series for longer backup durations.
- Strikes should be set to 12v input only, unless supplied by separate power source.
- **First Input** is for a door sensor.
- **Next Input** is for a Request to Exit (REX) device. And so on.
- **Both these Inputs need to be defined online, in prospective door's settings.**

**-DIP Switch Settings for MR52-  
(this should already be done)**

- The 1502 will always have an address assignment of "0".
- MR52 address assignment starts at "1".
- The 1502 does not need to be assigned an address by DIP switches: they should all be OFF.
- Baud rate of 9600 is set by DIP switch S6. All MR52s should have S6 switched to ON.
- If a switch is not mentioned, the switch is set to OFF.

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|-------------------------|-----------------------------|
| • Address 1: S1, S6     | • Address 6: S2, S3, S6     |
| • Address 2: S2, S6     | • Address 7: S1, S2, S3, S6 |
| • Address 3: S1, S2, S6 | • Address 8: S4, S6         |
| • Address 4: S3, S6     | • Address 9: S1, S4, S6     |
| • Address 5: S1, S3, S6 | • Address 10: S2, S4, S6    |

