


QIC

Quick Start Guide



IP ADDRESS DISCOVERY

- 1 When the QIC boots up, it will flash its IP address, with a single flash of all lights to separate each block of the address. By default the devices will be in DHCP mode and will try to get an address from a DHCP server. Failing that, they will default to 169.254.1.1.
- 2 If all lights flash constantly, the controller is not seeing the network.
- 3 To assign a static IP address, browse to the QIC (by the ip address it flashed on boot up) and log in with a user id of admin and a password of admin.
- 4 Once logged in, click the System button, then the Controllers button. Select the controller and click the Modify button. Uncheck the DHCP option and enter the IP address you wish to assign.

 If using DHCP, then make sure a permanent lease is assigned to the controller. This prevents the IP address from changing when its lease expires.

USING THE QIC WITH INTELLI-M ACCESS DEVICE DISCOVERY

- 1 Intelli-M Access will auto-discover all QIC's on the same subnet as the Intelli-M Access server. Discovery happens on startup of the EAC Hardware Access (HAL) service. To force discovery to happen, restart the HAL service in administrative tools->services.
- 2 Discovered controllers will show up in the drop down lists for IP address and Serial number on the configuration->Doors->Create dialog.

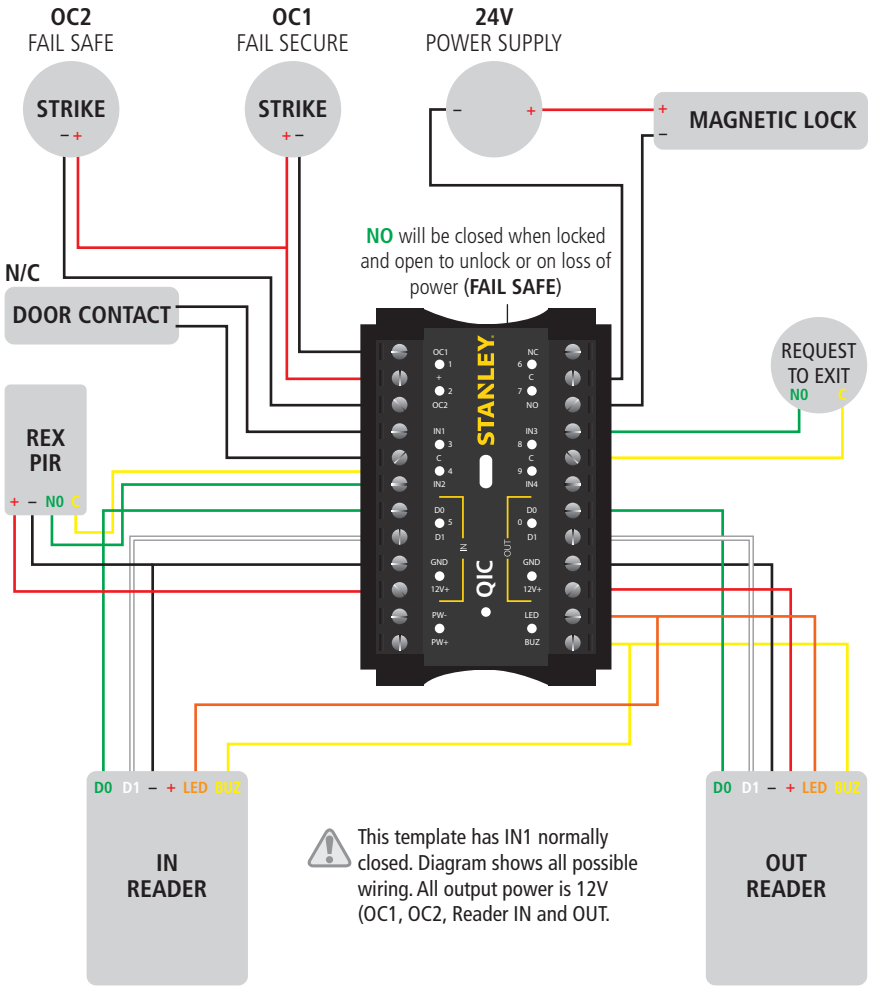
WIRING

- 1 The QIC wiring must match the door template used in Intelli-M Access. Components are optional, but if used should be wired as shown. For example, if there is only one reader, ignore the wiring for the second reader.
- 2 There are two standard door templates, the only difference between them is whether IN1 is set up to be normally closed or normally open. If neither of these templates match your needs, contact Technical Support at 800-392-5209.
- 3 Up to 750 mA of power is provided through the QIC for peripheral devices. The following diagram illustrates how to wire the QIC for a single door.
- 4 Connect the magnetic lock or door strike. A magnetic lock or door strike can be powered by the QIC (12 VDC at 450 mA or less). This is a shared load.
- 5 The two open collector outputs, OC1 and OC2 (Output 1 and Output 2), provide a maximum of 12 VDC at 450 mA combined.
- 6 OC1 and OC2 each have their own negative (–) terminal but share a positive (+) terminal.
- 7 OC1 and OC2 are software configurable energized (E) or de-energized (DE).
- 8 A magnetic lock can be powered by the open collector output if it draws less than 450 mA. If it draws more than 450 mA, then it must be wired to the form C relay (5 A at 30 VDC) labeled NO (normally open) and NC (normally closed) and powered externally.
- 9 Relay (Output 3) has separate terminals for common (C), normally open (NO), and normally closed (NC), but the software designation must match for proper status re-ported.
- 10 Wire the door contact to IN 1, request to exit buttons or motion sensor to IN2 or IN3 (note: motion sensors can be powered from the Out Reader 12V & GND).
- 11 Input devices can be wired to QIC Inputs (IN) 1 to 4.
- 12 NO or NC is software configurable with Inputs 1 to 4.

WIRING THE READERS

- Reader IN and Reader OUT are internally configured each having their own Data 0, Data 1, 12V+, and GND.
- Each reader power line has a maximum load of 250 mA.
- The sum of all four open collectors (OC1 + OC2 + IN + OUT) must not exceed 750 mA.
- There is a single terminal for optional Reader LED control and optional Reader Buzzer control.
- Only readers can be wired to Data 0, and Data 1 terminals.

DOOR TEMPLATE—INPUT 1 NORMALLY CLOSED




DOOR TEMPLATES

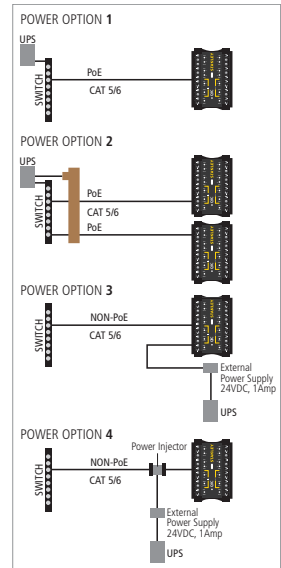
Intelli-M Access comes with standard door templates that pre-wire the controller. If you have an installation that requires a configuration other than what is provided by the standard door templates, please contact Technical Support at 800-392-5209.

POWER OPTIONS

- Using a PoE switch, run directly from switch to QIC.
- Using a non-PoE switch connect a midspan injector to add power to all switch ports and run PoE from the midspan to the QIC.
- Using non-PoE, run directly from switch to QIC and inject power at the installation site through the external power supply ports on the QIC.
- Using non-PoE, run from switch to PCON, use PCON for power injection, and then to QIC.

 For options 1, 2, and 4, do not add an additional power supply to terminals PWI+ or PWI- on the QIC.

Note: UPS shown in diagram is optional



UL294 REQUIREMENTS

The QIC and UL listed power supply must be installed within the secured area of the access facility.

- Panic hardware (SGS tested to UL294) must be used to allow emergency exit from the secured area.

SINGLE DOOR VS. MANAGED MODE

The QIC can operate in two modes, managed and single door. With the single door mode, all management of the controller is done by browsing to the IP address of the door, and all capabilities are enabled. In managed mode, most of the configuration capability is disabled at the controller.

RESETTING QIC TO FACTORY DEFAULT

- 1 To reset QIC back to its factory default settings, disconnect power from the QIC.
- 2 Attach a wire short from IN2 to BUZ. Apply power and wait 10 seconds, then remove the short leaving QIC powered up.
- 3 After approximately one minute, the controller will reboot itself and the reset will be complete. Resetting the QIC to factory default will delete all data on the controller.

SOFTWARE UPDATES

Please visit www.stanleysecuritysolutions.com/el for software updates or call 800-392-5209 for Technical Support.