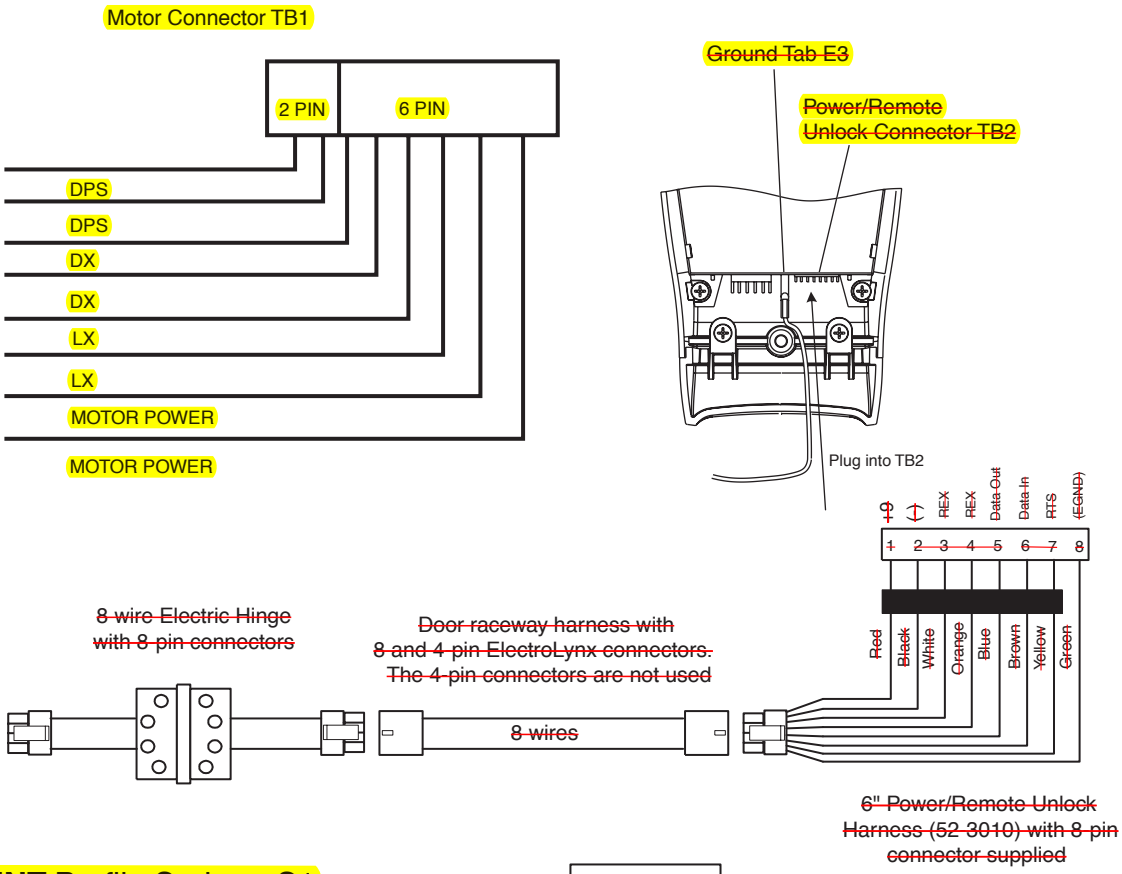
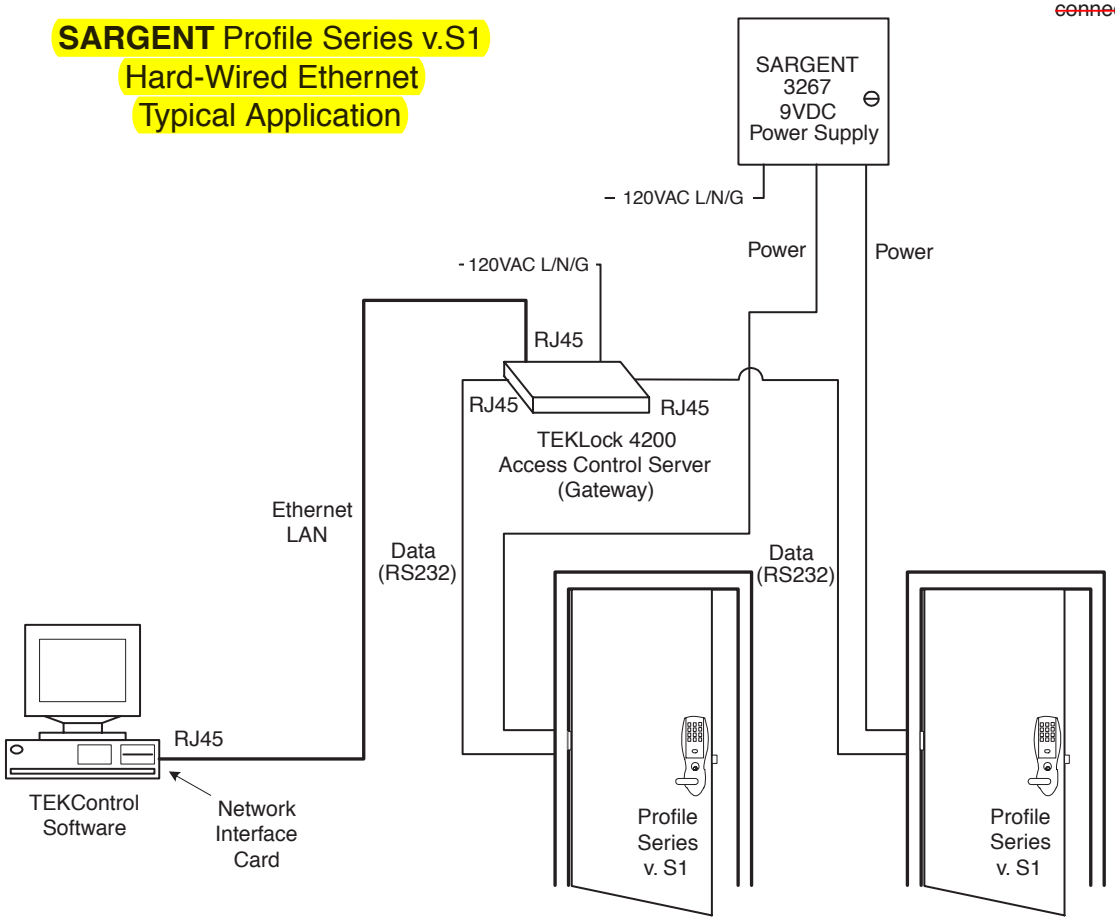
For External power supply see instruction sheet A7477



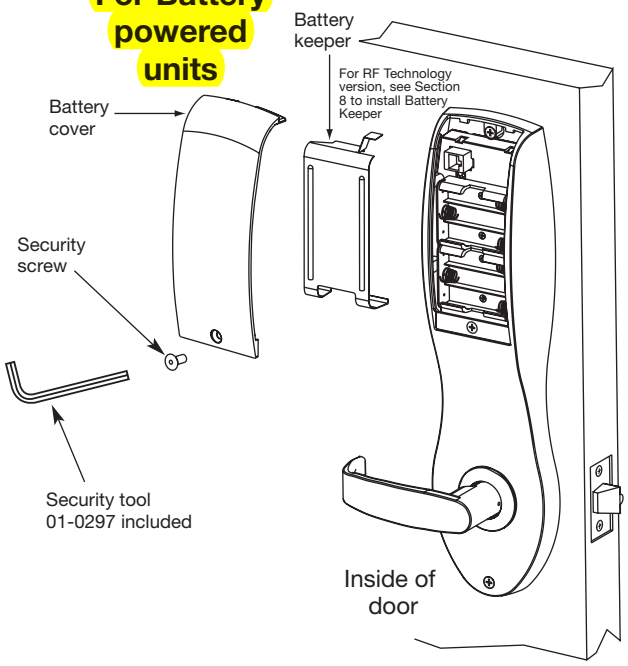
SARGENT Profile Series v.S1
Hard-Wired Ethernet
Typical Application



11. Battery Installation

Do not install batteries if controller is powered by external power supply

Fig. 1
For Battery powered units



3. Place (6) “AA” batteries into the compartment being careful to align polarity properly (Ref. Fig. 2).

4. Install battery keeper clip by inserting tabs into bottom slots. To remove keeper, pull on top tab (Fig. 3).

5. Attach battery cover to inside escutcheon making sure to line up tabs with retaining slots in battery cover. Secure with security screw (Ref. Fig. 4).

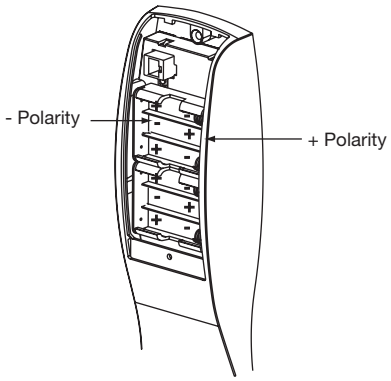


Fig. 2

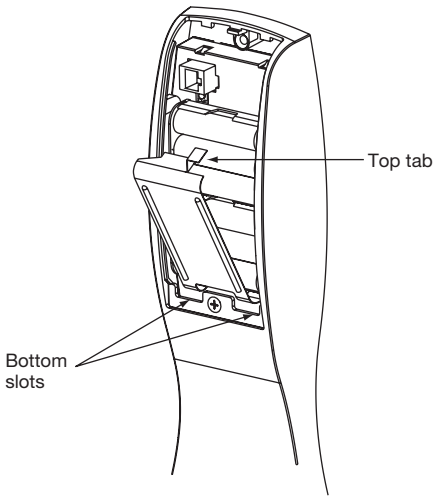


Fig. 3

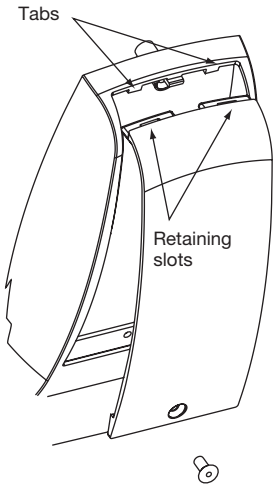


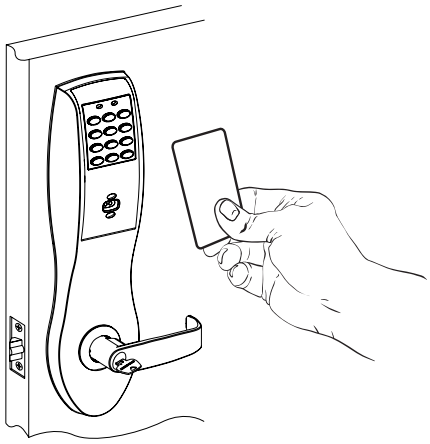
Fig. 4

Test for proper operation before closing door

7 Operational Check

For devices with cylinders:

1. Insert key into cylinder and rotate.
2. The key will retract the latch. Key should rotate freely.
3. Inside lever retracts latch.
4. Enter 1234* to unlock outside lever handle and retract latch.

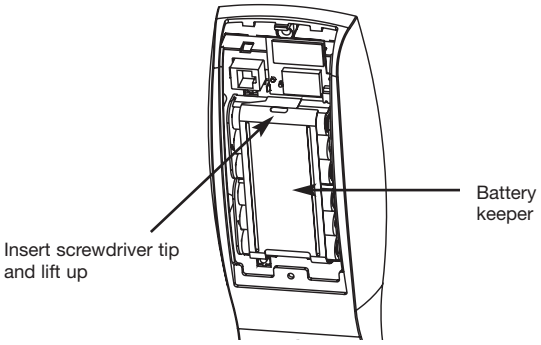


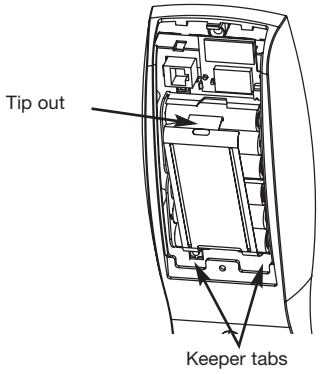
Removal procedure for the Battery Keeper:

To remove the battery keeper, a flat bladed screwdriver or similar tool must be used.

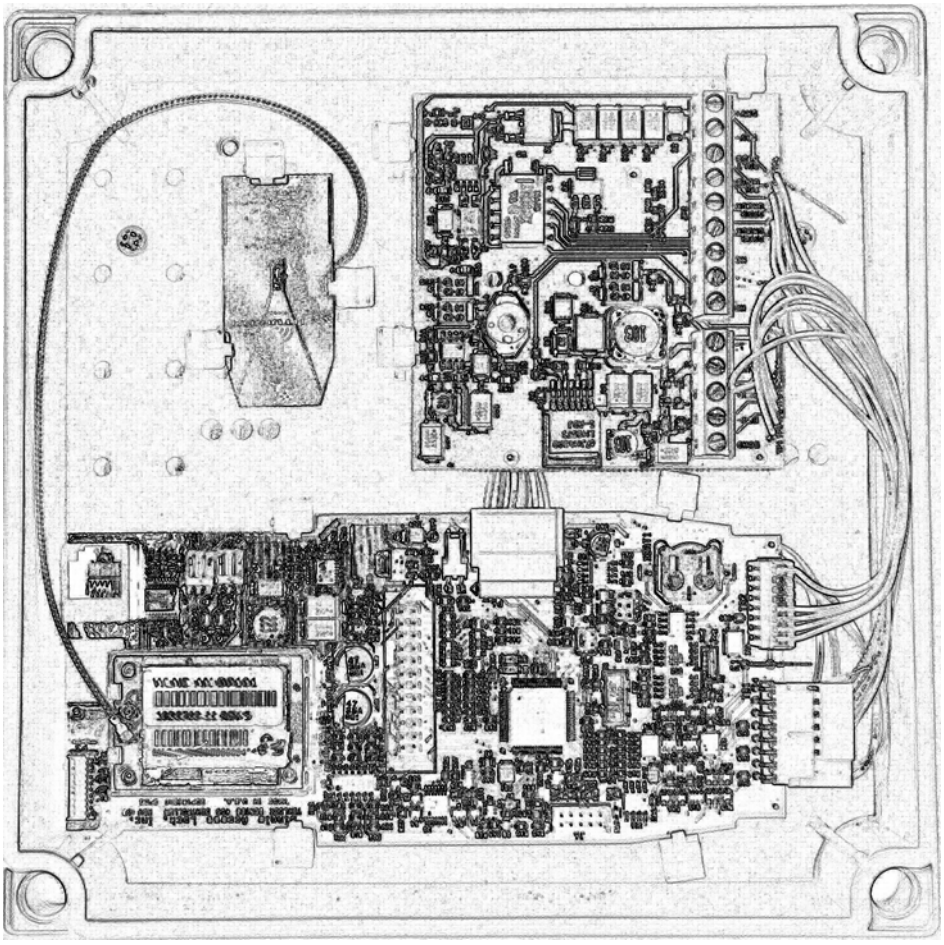
Insert the screwdriver into the slot at the top of the battery keeper, lift up and pull the top of the keeper away from the batteries.

To install, insert the tabs on the bottom of the keeper into the battery compartment slots and press the keeper tightly against batteries.





Installation Instructions For
Wall Mount Door Controller



January 11, 2006 Revision 1.0

SALock
Leading Wireless Access Management Innovation

Table of Contents

1. Warnings

1.1. FCC Warnings

The lock controller boards comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) the boards may not cause harmful interference, and (2) the boards must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to any of the products connected to this network not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The lock controller boards have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If his equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiver antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into a outlet on a circuit different from that to which the receiver is connected
- Consult the manufacturer or your local supplier

On lock controller boards that have the 802.11b radio, the spacing of antenna for the radio should be 20CM from any user interface.

1.2. Battery Warning

To comply with "Fire Listed" doors, battery operated units must be replaced with alkaline batteries only.

2. General Description

The wall mount door controller is a Wi-Fi door controller providing standalone and wireless access control. The Controller is a self contained door controller featuring upgradeable TEKControl™ access control software.

Each unit controls user access locally, while wirelessly transmitting access events to the SALock TEKControl management control system.

The wall mount door controller solution offers secure access control, event tracking and reporting similar to a traditional card key access system without the need for expensive wiring to each door, or proprietary access control panels. Proximity cards, magnetic stripe readers and keypad readers are all supported devices.

3. Features

- Powered by remote electric power from 12VDC to 35VDC.
- Very low current consumption.
- Support external access interfaces such as keypads, magstripe cards (low or high coercivity), proximity cards and proximity FOBs.
- Supports low voltage motorized, magnetic or solenoid operated locks.
- Supports latch, door, and bolt monitoring.
- 2-way LAN interface using existing Ethernet infrastructure or 2-way wireless LAN interface for communications to TekControl.
- Supports request-to-exit (REX) functionality.
- Local control of user access when LAN connection is not present.
- Password protected software for lock programming and audit trail.
- 2000 user codes.
- Access event tracking up to 2000 events.
- Software upgradeability using LAN interface for new features and updates.

4. Connectors

4.1. Main Controller Board

Connector TB1			
Pin	*Wire Color*	*Direction*	*Description*
7	Red	Input	Terminal 1of Door Open switch
8	Black	Input	Terminal 2 of Door Open switch

Connector P5			
Pin	*Wire Color*	*Direction*	*Description*
1	Black	Input	Ground from External Reader Supply
2	Red	Input	DC Supply Voltage from External Reader Supply

Connector P6			
Pin	*Wire Color*	*Direction*	*Description*
1	Red	Output	DC Supply Voltage from Controller
2	Brown	Output	Red LED
3	White	Input	Data
4	Green	Input	Clock
5	Black	Output	Ground
6	Yellow	Output	Green LED

4.2. Power Board

Connector J2			
Pin	*Label*	*Direction*	*Description*
1	EGND	Input	Earth Ground
2	REX-	Input	Terminal 1 of REX switch
3	REX+	Input	Terminal 2 of REX switch
4	VAUX-	Input	Power Supply Ground
5	VAUX+	Input	Power Supply +12VDC - +35VDC

Connector JP2			
Pin	*Label*	*Direction*	*Description*
1	DRV+	Output	+12VDC @ 200mA Switched Supply
2	DRV-	Output	Ground for Switched Supply
3	BOLT-	Input	Terminal 1 of Bolt Sense Switch
4	BOLT+	Input	Terminal 2 of Bolt Sense Switch
5	DOOR-	Input	Terminal 1 of Door Sense Switch
6	DOOR+	Input	Terminal 2 of Door Sense Switch
7	NC	Output	Normally Closed Relay Output
8	COMMON	Input	Relay Input
9	NO	Output	Normally Open Relay Output

5. Configuration Jumpers

These configuration jumpers are found on the main controller board.

Jumper P7 – Aux Reader Power Source	
Position	*Description*
1	DC Source Connected to Connector P5
2	N/A
3	External Power Supply Connected to Controller Board

Jumper P8 – External Reader Power Source	
Position	*Description*
1	Internal +5V Regulated Power (Default)
2	Aux Reader Power Source

6. LED Indicators

LED	*Description*
D7	Debugging LED (Normally off)
D8	Follows Red LED output of connector P6
D9	Follows Green LED output of connector P6
D11	Lights when power is being supplied to connector P6

7. Installation Instructions

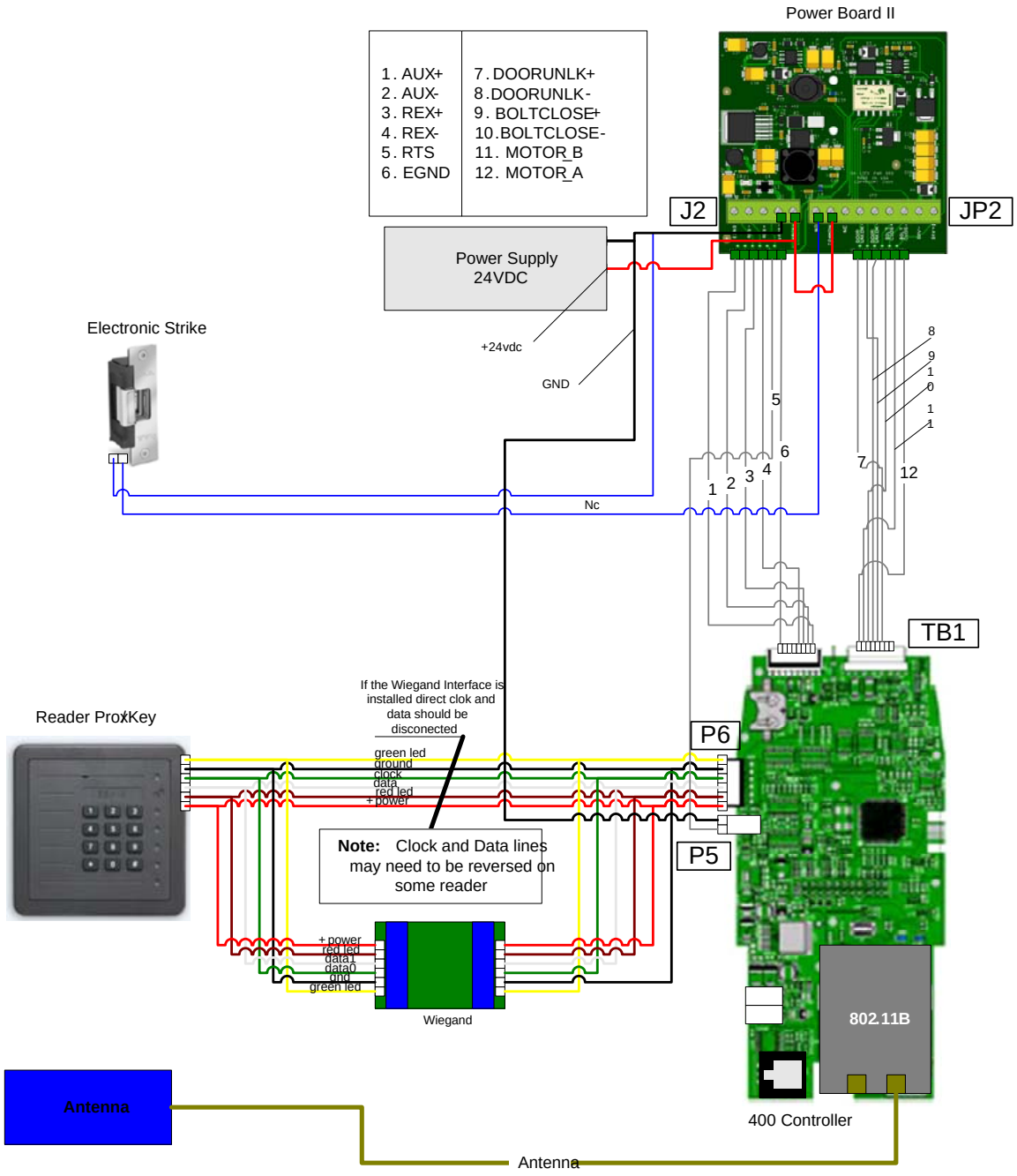
7.1. Physical Mounting

The plastic enclosure can be mounted in any orientation but must be no further from the selected reader than the reader specifies.

The enclosure is mounted as follows:

1. Remove the 4 plastic screws holding the cover on and remove the cover.
2. Placing the enclosed self-tapping screws through the holes on the enclosure, mount the plastic enclosure to the selected surface.
3. Replace the cover and the 4 plastic screws holding on the cover.

7.2. Controller Wiring



8. Specifications

Power:	12VDC – 35VDC
Controller Current Draw *:	Standby: 13 mA Operating: 28 mA Maximum: 212 mA (Wireless Interface Active)
Approvals:	FCC Part 15
Temperature:	0°C - 40°C
Humidity:	5% to 95% non-condensing
Environment:	Indoor or Outdoor
Program Memory:	128 Kbytes
RAM Memory:	3936 bytes
Non-Volatile Memory:	257 Kbytes
Real-Time Clock:	Auto DST Compensating
Keypad Support:	Integrated 3 column by 4 row matrix
Prox Support:	Integrated requiring only external antenna
External Reader Support:	
Formats:	Clock and Data, Wiegand
Power:	5VDC @ 100 mA 9VDC from controller supply Supply from external connector
LED Support:	Red and Green
Motor Drive	Integrated 9VDC Bi-Directional
Hardware Sensor Support:	REX, Door, Bolt, Latch
Dry Contact Support:	Normally Open, Normally Closed
Network Comm. Support:	RS-232, 802.11b

Power Available **:	9VDC @ 3A 12VDC @ 1A

* Note that any devices attached to controller will draw additional current.
** Dependent on external power supply capacity.