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Cardlock Series Public Gate

Power Adaptor

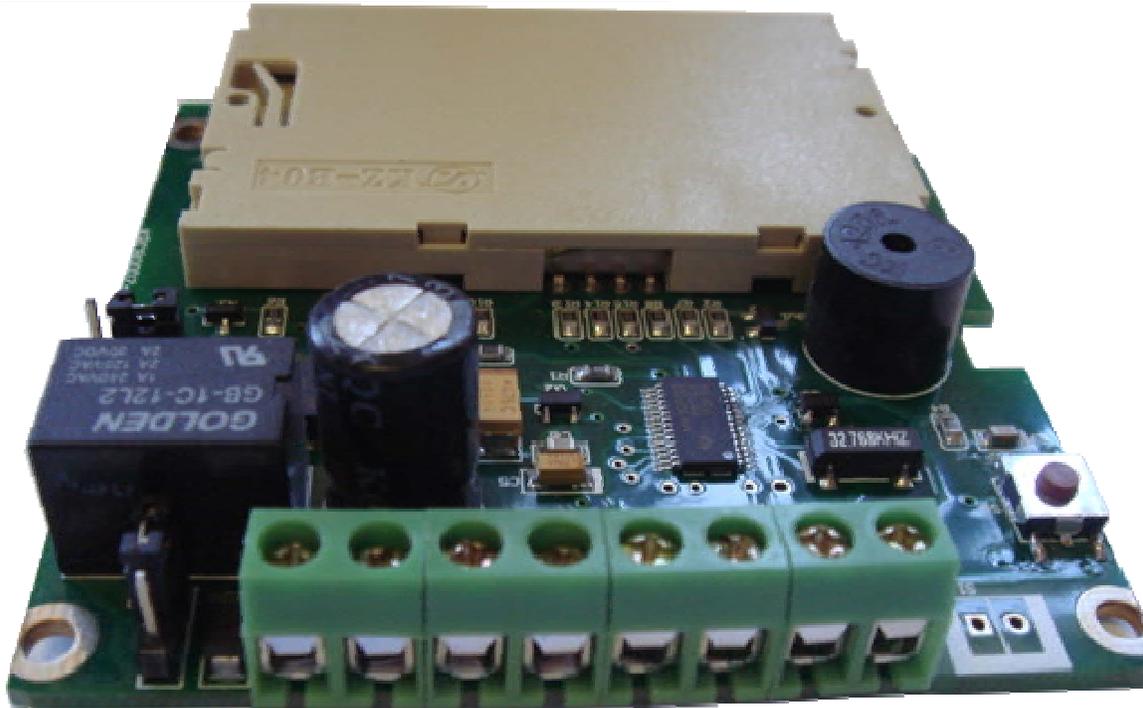
(12VDC, Max. Current: 1A)

If you purchased the Cardlock Series power supply cut the head of the adaptor and strip the insulation. If your locking mechanism, electric strike or magnetic lock requires more current than 1A you cannot use the Cardlock Series power supply. If you have a custom public gate that is 24VDC you must provide your own DC power supply.

Black/White = Positive (+12VDC) to terminal 1 of public gate circuit board.

Black = DC ground (0VDC) to terminal 2 of public gate circuit board.

Pin Assignments For Generation 1 Circuit Board



PIN1

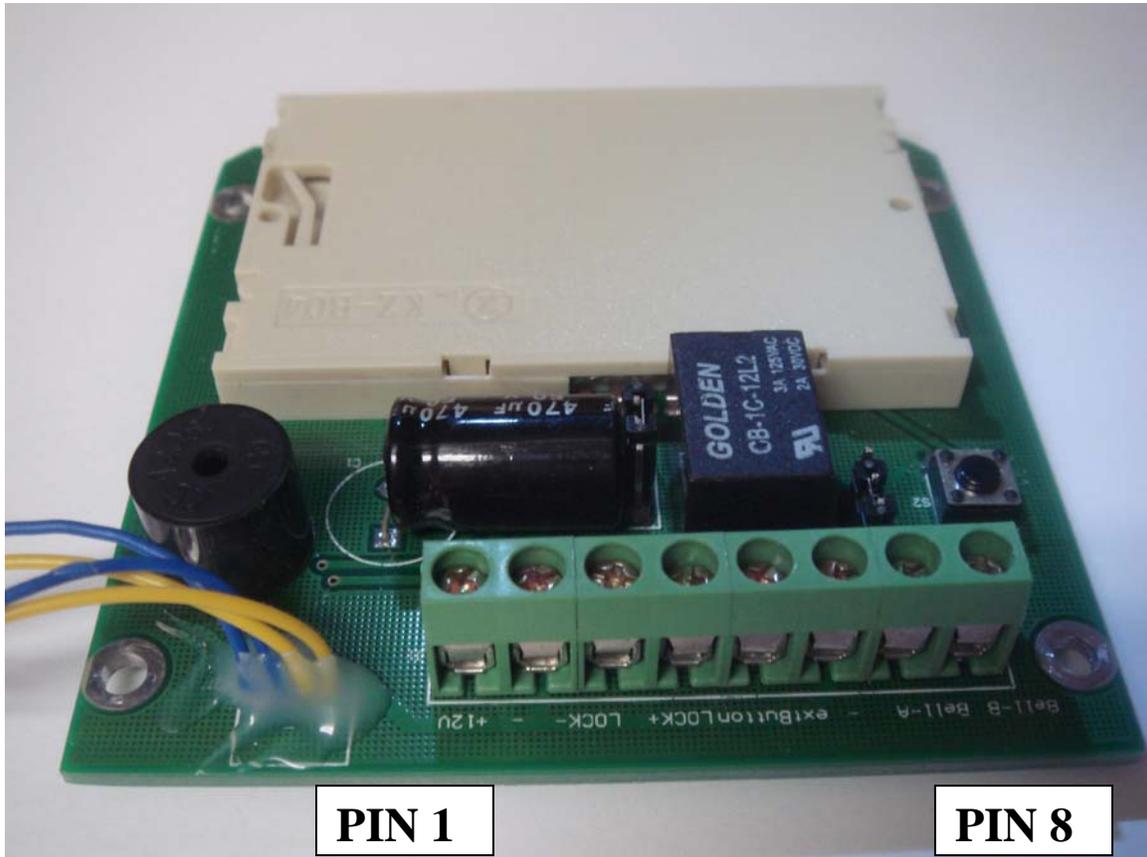
PIN8

Wiring

Inside the card reader you will see a circuit board. The connections are as follows:

- Pin 1 = 12VDC, Black/White wire of BeLine power supply.
- Pin 2 = DC ground (0 VDC), black wire of BeLine power supply
- Pin 3 = To electric strike, negative
- Pin 4 = To electric strike, positive
- Pin 5 = Request to unlock
- Pin 6 = Request to unlock
- Pin 7 = Not used
- Pin 8 = Not used

Pin Assignments For Generation 2 Circuit Board



Wiring

Inside the card reader you will see a circuit board. The connections are as follows:

- Pin 1 = 12VDC, Black/White wire of BeLine power supply.
- Pin 2 = DC ground (0 VDC), black wire of BeLine power supply
- Pin 3 = To electric strike, negative
- Pin 4 = To electric strike, positive
- Pin 5 = Request to unlock
- Pin 6 = Request to unlock
- Pin 7 = Not used
- Pin 8 = Not used



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Connecting to an Electric Strike

The Cardlock Series Public Gate is ready to connect to your 12VDC electric strike or magnetic lock through terminals 3 and 4. The public gate will supply a 12VDC connection that will stay active until a valid card is read. It is in a fail safe mode. When a card is read the public gate will release the electric strike or magnetic lock by cutting off power from terminal 3 and 4. By default the Cardlock Series Public Gate is in a fail safe mode. If your locking system that is connected to terminal 3 and 4 requires more than 1A of current you cannot use the Cardlock Series power supply.

Connecting to a Request to Unlock Button

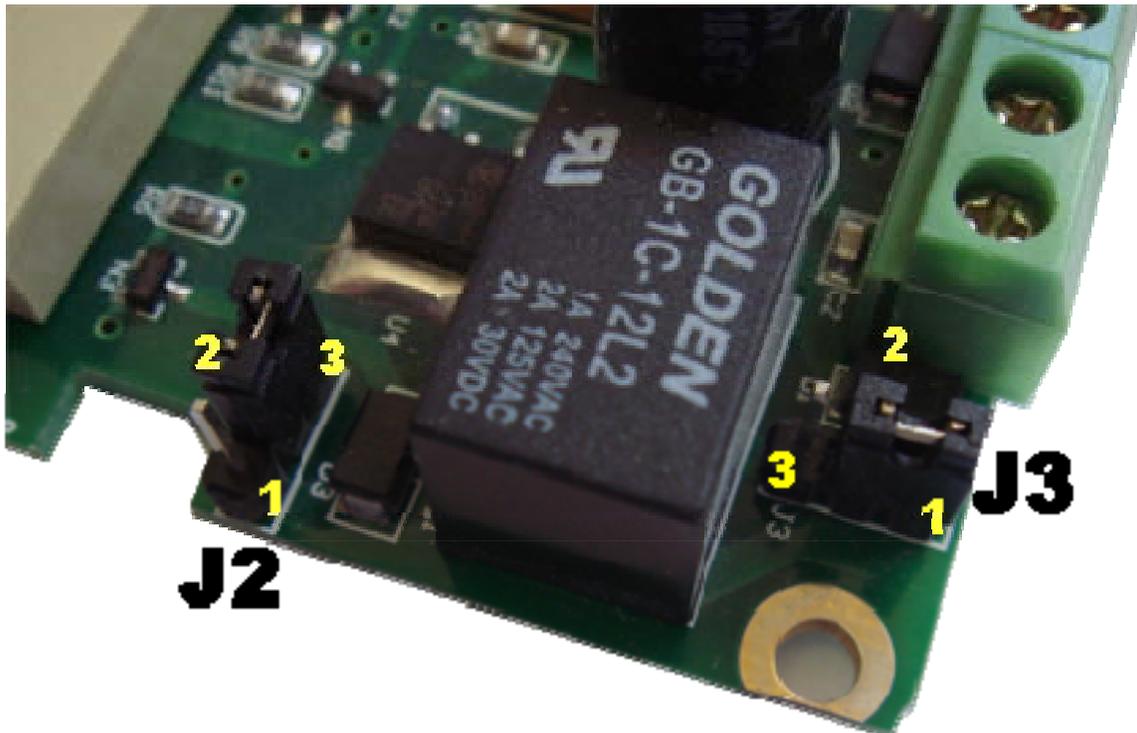
Connect your Request to Unlock Button to terminal 5 and 6 of the public gate circuit board. If you use a button it must be a momentary “break” button. This means that terminal 5 and 6 are normally connected until the button is pushed to momentarily break the circuit. When the circuit (connection between terminal 5 and 6) is broken the internal relay will switch.

Timing Duration of the Electric Strike or Magnetic Lock

The Cardlock Series Public Gate generation 1 circuit board is preconfigured with a 5 second delay until power is re-supplied to the locking mechanism. The generation 2 circuit board is preconfigured with a 10 second delay.

Jumpers

Jumpers on Generation 1 circuit board.

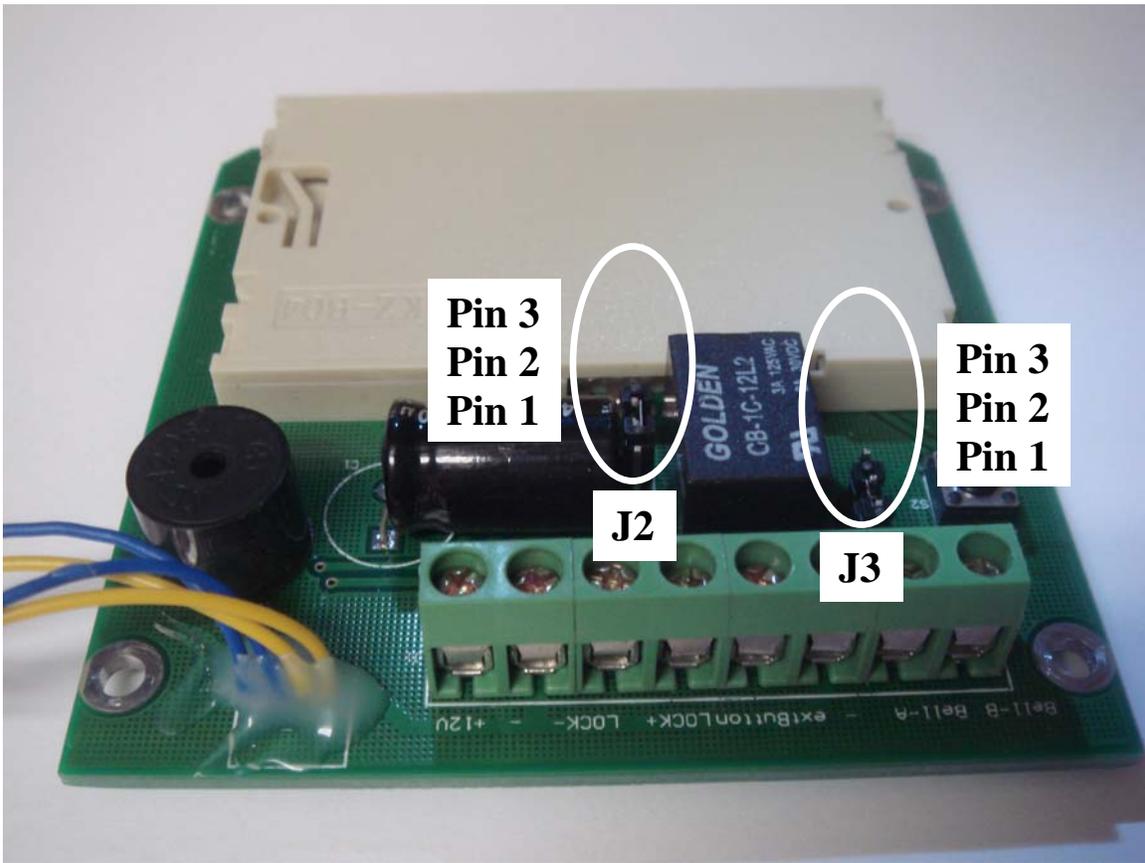




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Jumpers on Generation 2 circuit board.



J2 = Pins 3 and 2 jumped. Default position. Do not reconfigure jumper J2.

J3 = Pins 2 and 1 jumped. Default position.

Fail safe mode with default jumper positions. Power is always being supplied. When a card is accepted the public gate will cut off power from pins 3 and 4 on the terminal block.

Optional jumper setting:

Jumper 2 (J2) = Pins 3 and 2 jumped. Default position. Do not reconfigure jumper J2.

Jumper 3 (J3) = Pins 3 and 2 jumped.

Fail secure mode with optional jumper positions. No power is supplied. When a card is accepted the public gate will supply power to pins 3 and 4 of the terminal block.

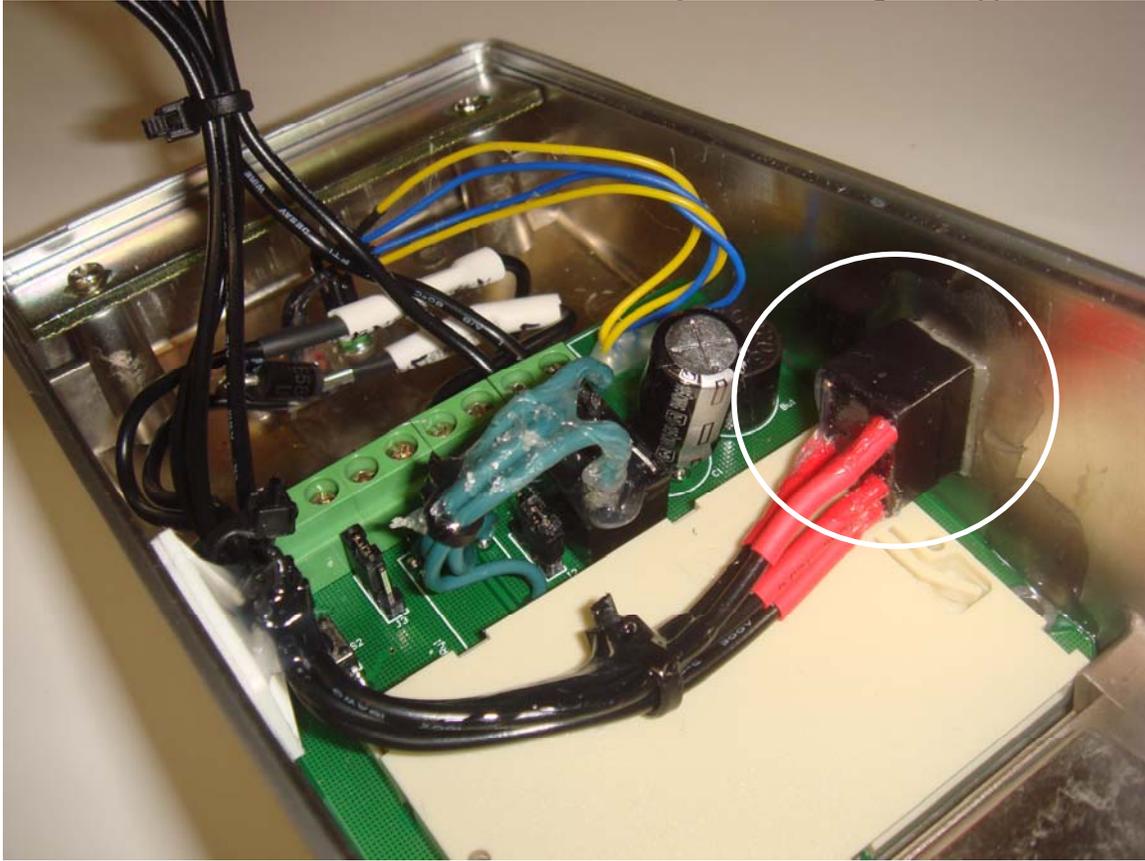
A Public Gate with a dry contact relay configuration is a special order from BeLine.



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The picture below is a Generation 2 circuit board designed with a dry contact relay. This must be custom ordered. This is the circuit board required for sliding door applications.



Programming the Cardlock Series Public Gate

BEFORE ISSUING ANY CARDS THE REVOKE [F5] FUNCTION MUST BE USED TO CLEAR ANY CONTENTS FROM THE CARD THAT IS BEING USED FIRST.

- 1) Assure power is supplied.
- 2) Insert any room card. The public gate will read and retain the **PROPERTY ID** of the card.
- 3) Generate a **Time Card** and insert into the public gate.

The Public Gate will have saved the **PROPERTY ID** and time. The power must be connected from this point on to maintain an accurate time.



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RESETTING TIME

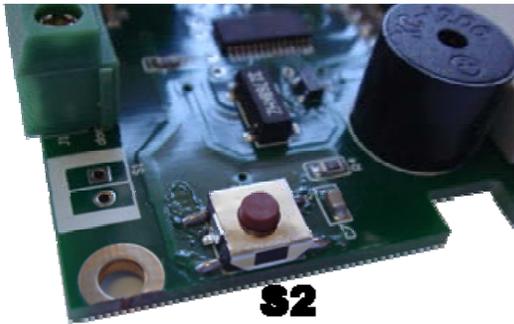
Insert a **TIME CARD**

CHANGING THE PROPERTY ID and CLEARING TIME

Insert a **DATA CLEAR CARD**. The **DATA CLEAR CARD** is used to clear all the data stored in the public gate. This card will reset the public gate to factory settings.

To clear the data from the public gate:

1. Open the card reader and locate the S2 button.
2. Press the S2 button and hold it down for 3 seconds.
3. Keep holding down the S2 button and insert the **DATA CLEAR CARD** into the public gate.
4. After 3 seconds pull out the card and release the button.



S2

RESET SWITCH

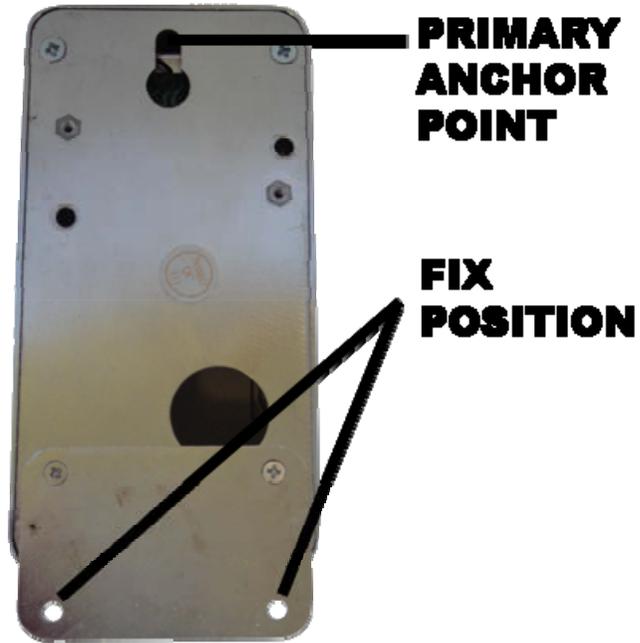


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Mounting the Public Gate

2008 Metal Case (Previous versions of the case are plastic)



Orientation When Inserting a Card





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Special Order Public Gate Configurations

- 12VDC Dry Contact or 24VDC Dry Contact
(Max. Switching Voltage: 60VDC, Max. Switching Current: 5A)
- 24VDC Standard
(24VDC Output, Max. Current: 1A)
- 12VDC Dry Contact Double Pole Double Throw
(Max. Switching Voltage: 28VDC, Max. Switching Current: 10A)