

CARDINAL CLiC WD-02.1.3 GLASS CONTROLLER ADDENDUM



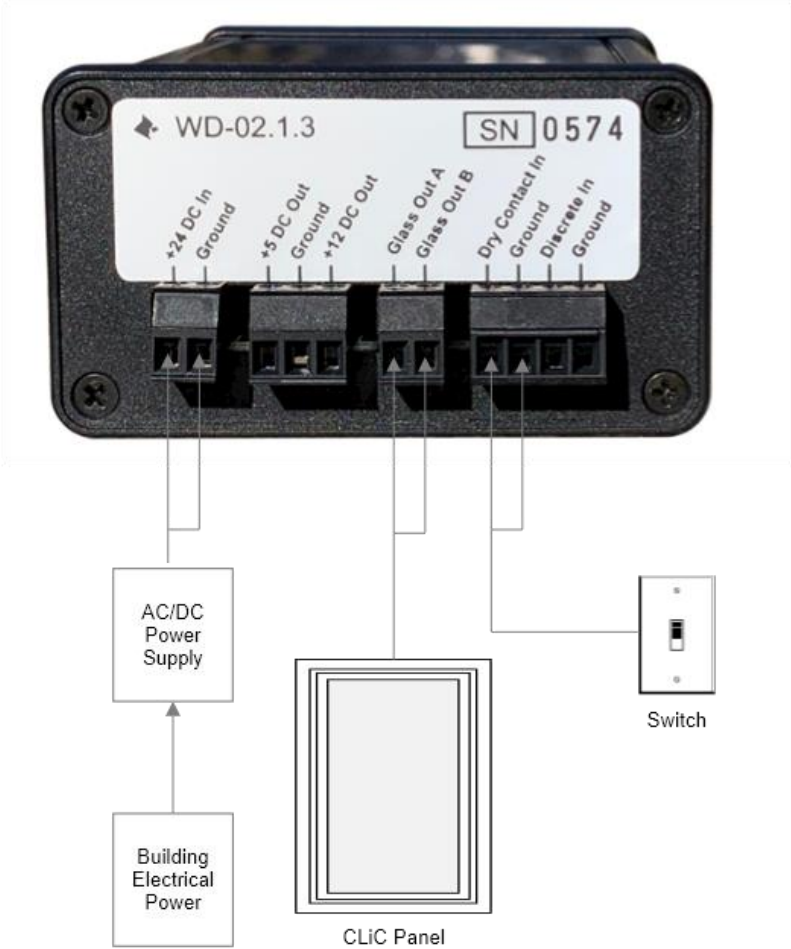
INTRODUCTION

OVERVIEW

This guide pertains to the Cardinal CLiC WD-02.1.3 Glass Controller and is to be used as an addendum to the Installation Manual for the Cardinal CLiC WD-02.2, and not as a standalone document. All precautions, information, notes, power requirements, compatibility issues, wire specifications, wiring diagrams, and installation guidelines called out in the WD-02.2 Installation Manual are all applicable to the WD-02.1.3 Glass Controller and shall be followed along with this addendum.

CONNECTIONS

CONTROLLER LAYOUT



WIRE CONNECTION TERMINALS

NOTE: Shielded wire must be used for all connections to the WD-02.1.3. The shield shall be terminated on the WD-02.1.3 end only and shall be connected to the 'Ground' terminals as dictated below.

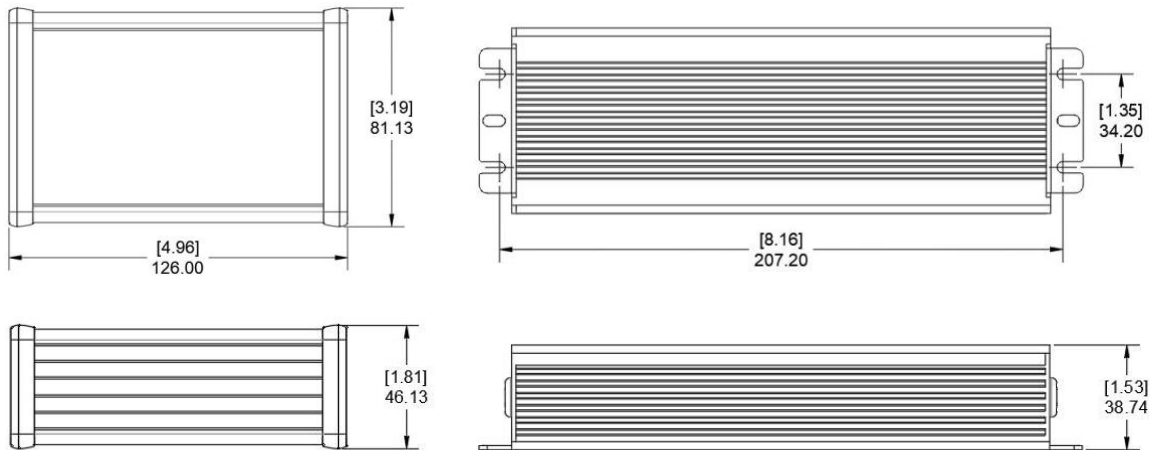
- **Terminal: +24 VDC In**
Positive power supply connection. This is used to power the device.
- **Terminal: Ground (-24 VDC In)**
Common ground connection. Use this ground reference for power supply ground connection, trigger ground connection, and wire shield ground connections.
- **Terminal: +5 DC Out**
Not used in standard installation.
- **Terminal: Ground**
Common ground connection. Use this ground reference for power supply ground connection, trigger ground connection, and wire shield ground connections.
- **Terminal: +12 DC Out**
Not used in standard installation.
- **Terminal: Glass Out A**
This is the power signal output used for driving the CLiC Glass panel. Both Glass Out A and Glass Out B must be connected to the CLiC Glass panel. Glass Out A and Glass Out B can be connected to either corner of the CLiC Glass panel. Shorting the outputs could damage the WD-02.1.3 and should be avoided.
NOTE: Only connect a single CLiC Glass panel. Not to be used with multiple CLiC Glass panels.
- **Terminal: Glass Out B**
This is the power signal output used for driving the CLiC Glass panel. Both Glass Out A and Glass Out B must be connected to the CLiC Glass panel. Glass Out A and Glass Out B can be connected to either corner of the CLiC Glass panel. Shorting the outputs could damage the WD-02.1.3 and should be avoided.
NOTE: Only connect a single CLiC Glass panel. Not to be used with multiple CLiC Glass panels.
- **Terminal: Dry Contact In**
The WD-02.1.3 has a dry contact input that is used to allow external devices to control the state of the CLiC Glass panel. The triggering device shall use a ground referenced switch or relay type output. The CLiC Glass panel will go to the clear state when the contact closure is closed. The CLiC Glass panel will go to the privacy state when the contact closure is open.
- **Terminal: Ground**
Common ground connection. Use this ground reference for power supply ground connection, trigger ground connection, and wire shield ground connections.
- **Terminal: Discrete In**
Not used in standard installation.
- **Terminal: Ground**
Common ground connection. Use this ground reference for power supply ground connection, trigger ground connection, and wire shield ground connections.



MECHANICAL DETAILS

The CLiC WD-02.1.3 Glass Controller must be installed within an appropriate NEMA enclosure. The device can be mounted (details below) within the enclosure or free standing. The WD-02.1.3 does not need to be mounted near the CLiC Glass panel as both the CLiC Glass powered outputs and the dry contact inputs can be extended up to 100 meters (328 feet).

Dimensional Drawings



POWER

DO NOT APPLY POWER PRIOR TO COMPLETING ALL WIRING CONNECTIONS AND TERMINATIONS.

ALL PROTECTIVE FILMS MUST BE REMOVED PRIOR TO CONNECTING THE WD-02.1.3 GLASS CONTROLLER

The included power supply (A/C Adapter) should be connected to the '24 VDC in' and 'Ground' input terminals on the WD-02.1.3. The terminal connector will be pre-attached to the power supply. The CLiC WD-02.1.3 will be powered on and begin functioning upon applying power. The left light will illuminate blue when the Controller is receiving power, and the right light will illuminate green when power is being supplied to the glass. In order for the dry contact switch to be able to trigger the glass, the light must be illuminated green.

Use only the supplied power supply to power the WD-02.1.3. Do not connect more than one WD-02.1.3 to a single power supply.



SERVICE AND SUPPORT

CONTACTING US

Contacting Cardinal IG Company

For general information, you can contact Cardinal IG Company at:

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Minneapolis, MN 55426
(952) 314-4757

Contacting Technical Support

At Cardinal IG Company, customer service and satisfaction are two of our core missions. If you are experiencing any problems or have a question regarding your CLiC products, please contact our technical support department by email at: CLiCsupport@cardinalcorp.com.

Please include the following information within your email:

- Your Name
- Company Name
- Telephone Number
- Email address
- Product models and serial numbers
- Detailed description of your question or the problems you are experiencing

We greatly appreciate your purchase of Cardinal CLiC products, and we strive to provide a long lasting and trouble-free customer experience. Our goal is to respond to your email in a timely manner and to expediently resolve any issues you are experiencing.

