

M2-CDI Digital Input Card

The M2-CDI digital input card plugs into the M2-CDI8 or M2-CDI16 controllers for up to 16 digital inputs. These digital inputs do not replace the 8 universal inputs on the controller. The digital inputs from this card are written to the controllers 16 virtual points giving a 100.0 value when the input is shorted and 0.0 value when the input is open.

The M2-CDI **cannot** be used in M2, M2D or M2V controllers.

Specifications

- Input type:** dry contact only
- Temperature Range:** 0-70°C (32-158°F)
- Isolation:** 2000 V RMS
- Controller type:** can only be used on M2-CDI8 or M2-CDI16

Wiring

The M2-CDI can read up to 8 digital inputs and their wiring is not polarity sensitive. One wire from the digital signal is wired to one of the 8 terminals labeled 1-8 and the other wire is terminated on any of the 4 common "C" terminals.

The M2-CDI must only be wired to dry contact digital signals only, no voltage can be present.

All M2-CDI modules are labeled 1-8 on the terminal block. Keep in mind that when a module is plugged into the controllers second M2-CDI socket, that those digital inputs will display the digital input status on virtual points 9-16 as shown in Figure 1.

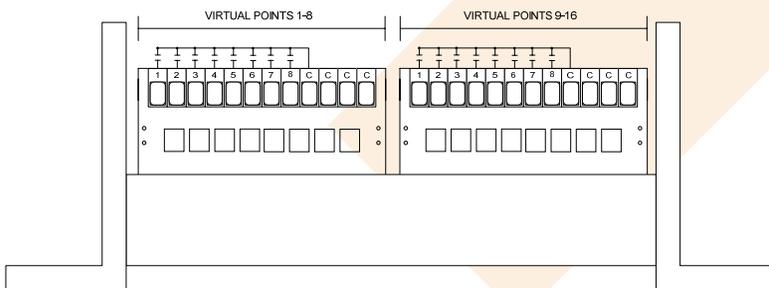


Figure 1

Installation

The following steps should be taken to install the M2-CDI:

1. Plug in the M2-CDI module into the controller socket making sure the plug-in support connector is properly seated into the female spade support terminal. Figure 2.
2. Wire the digital signal wires to the module(s).

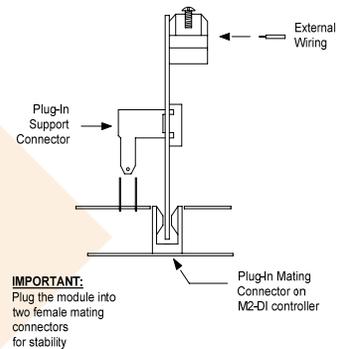


Figure 2

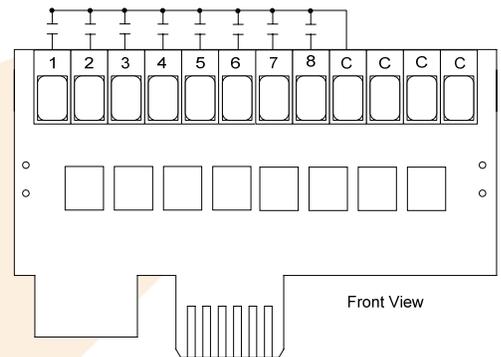


Figure 3

© Copyright 2005 Solidyne Corporation All rights reserved.

No part of this document may be photocopied or reproduced by any means, or translated to another language without prior written consent of Solidyne.

All specifications are nominal and may change as design improvements are introduced. Solidyne shall not be liable for damages resulting from misapplication or misuse of its products.