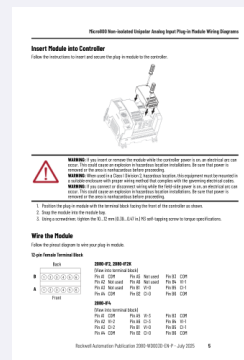


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

2080-IF2

Two-channel analog input plug-in module



PRODUCT	2080-IF2
FAMILY	Micro800 plug-in modules
FUNCTION	Two-channel analog input plug-in module
SOURCE	Allen-Bradley Micro800 plug-in modules official technical documentation

01 OFFICIAL MOUNTING AND WIRING

- Isolate the Micro800 controller supply before fitting the plug-in module.
- Seat the module in a documented compatible plug-in slot and retain it as shown in the manufacturer drawing.
- Wire the voltage or current input terminals according to the assigned input mode and the official diagram.
- Restore power and verify channel configuration, scaling and the connected input signals.

AMIKON PRODUCT SUPPORT

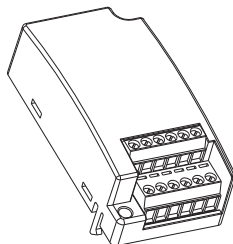
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Parts List

Your package contains one Micro800™ non-isolated unipolar analog input plug-in module and these pinout guide wiring instructions.



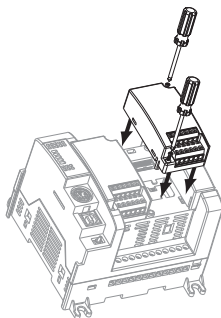
ATTENTION:

- Be careful when stripping wires. Wire fragments that fall into the controller could cause damage. Once wiring is complete, make sure the controller is free of all metal fragments before removing the protective debris strip.
 - Do not wire more than 2 conductors on any single terminal.
 - If you insert or remove the plug-in module while power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.
 - Cable length should be less than 10 meters (33 feet).
 - Do not insert or remove the plug-in module while power is applied, otherwise, permanent damage to equipment may occur.
-

You can choose to wire the plug-in before inserting it onto the controller, or wire it once the module is secured in place.

Insert Module into Controller

Follow the instructions to insert and secure the plug-in module to the controller.



WARNING: If you insert or remove the module while the controller power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.

WARNING: When used in a Class I Division 2, hazardous location, this equipment must be mounted in a suitable enclosure with proper wiring method that complies with the governing electrical codes.

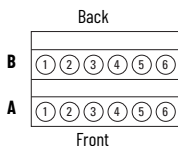
WARNING: If you connect or disconnect wiring while the field-side power is on, an electrical arc can occur. This could cause an explosion in hazardous location installations. Be sure that power is removed or the area is nonhazardous before proceeding.

1. Position the plug-in module with the terminal block facing the front of the controller as shown.
2. Snap the module into the module bay.
3. Using a screwdriver, tighten the 10...12 mm (0.39...0.47 in.) M3 self-tapping screw to torque specifications.

Wire the Module

Follow the pinout diagram to wire your plug-in module.

12-pin Female Terminal Block



2080-IF2, 2080-IF2K

(View into terminal block)

Pin A1	COM	Pin A5	Not used	Pin B3	COM
Pin A2	Not used	Pin A6	Not used	Pin B4	VI-1
Pin A3	Not used	Pin B1	VI-0	Pin B5	CI-1
Pin A4	COM	Pin B2	CI-0	Pin B6	COM

2080-IF4

(View into terminal block)

Pin A1	COM	Pin A5	VI-3	Pin B3	COM
Pin A2	VI-2	Pin A6	CI-3	Pin B4	VI-1
Pin A3	CI-2	Pin B1	VI-0	Pin B5	CI-1
Pin A4	COM	Pin B2	CI-0	Pin B6	COM

Specifications

General and Environmental Specifications

Attribute	Value
Dimensions, HxWxD, approx	62 x 31.5 x 20 mm (2.44 x 1.24 x 0.79 in.)
Weight, approx	21 g (0.74 oz)
Mounting torque	0.2 N•m (1.48 lb•in)
Terminal screw torque	0.22...0.25 N•m (1.95...2.21 lb•in) Use a 2.5 mm (0.10 in.) screwdriver.
Wire size	
Input voltage range	0...10V
Input current range	0...20 mA
Input impedance	>100 kΩ for voltage mode 250 Ω for current mode
Power consumption	<60 mA @ 3.3V
Wiring category ⁽¹⁾	2 – on signal ports
Enclosure type rating	None (open-style)
North American temp code	T4
Temperature, operating	IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): -20...+65 °C (-4...+149 °F)
Temperature, nonoperating	IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock): -40...+85 °C (-40...+185 °F)
Temperature, surrounding air, max	65 °C (149 °F)

- (1) Use this Conductor Category information for planning conductor routing. See Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).