

2080sc-OW2IHC **2-Channel High Current Relay Output Plug-In Module**

for Allen-Bradley Micro830 and Micro850 Series PLCs



- 2 channel Form A N.O. relay outputs
- Up to 10A output current .
- 250 Vac channel-to-chassis ground isolation;
- Easily configured using existing programming software.
- LED indicators .
- AC and DC voltages
- Low power consumption.

High Performance

The 2080 high current relay module allows you to switch resistive or inductive loads of up to 10A per channel. The wide operating voltage range allows low voltage DC control or high voltage AC switching. LED indicators provide visual status of the relay state. The Form A normally open relays provide high current switching for a variety of applications.

State-of-the-Art Features

The high current relay is configured using Rockwell Automation's Connected Component Workbench software which simplifies integration. The module incorporates proprietary Rockwell Automation technology insuring operation and performance mirror existing Allen-Bradley products. The high current relay module is suitable for applications such as timers, temperature controllers and boiler control.

The Spectrum Controls 2080sc plug-in is compatible with Allen-Bradley Micro830 and Micro850 controllers. It offers the functionality of dedicated interposing relays without compromising performance.

2080sc-OW2HC

2-Channel High Current Relay Output Module

for Allen-Bradley Micro830 and Micro850 Series PLCs

Outputs per Module	2 Form A, Normally Open
Module Location	Micro830, Micro850
Maximum Pilot Duty	B300 R300
Contact Rating	Load: Resistive ($\cos \phi = 1$)
Load Rating	10A @ 5-30VDC 10A @ 125VAC 10A @ 250VAC
Output Power Rating	300W Max @ 30VDC 1250VA @ 125VAC 2500VA at 250VAC
Max Switching Frequency	Max 1 cycle / 3 seconds (1.5s on / 1.5s off)
Max Switching Time	10ms max on / off Normally Open 5ms Typical
Input Contact Resistance	< 5 Mohm max
Release Time	5ms Max
Backplane Current Required	35mA @ 3.3V 20mA @ 24V
Thermal Dissipation	2.2 Watts maximum
Environmental Conditions Operational Temperature Storage Temperature	-20° to 65°C (32 to 149°F) -45° to 85°C (-49° to 185°F)
Relative Humidity	5 to 95% (non-condensing)
Certifications	UL/cUL (Class I, Div 2, Groups ABCD) and CE
Recommended Cable	Belden 8761 or equivalent



Corporate Headquarters
Spectrum Controls, Inc.
P.O. Box 6489 • Bellevue, WA 98008 USA
Tel 425-746-9481 • Fax 425-641-9473
Email spectrum@spectrumcontrols.com
www.spectrumcontrols.com

