

# Micro830/850/870™ 2080sc-OW2IHC 2-Channel High Current Relay Output Module



The 2080sc-OW2IHC Output Plug-In Module allows you to switch resistive or inductive loads of up to 10 A per channel in one I/O module. The wide operating range allows low-voltage, DC control or high-voltage AC switching. The Form A normally open relays provide high-current switching for a variety of applications.

- Two channels Form A N.O. relay outputs.
- Up to 10 amperes output current.
- Easy to configure using CCW programming software.
- LED indicators show visual status of the relay state.
- AC and DC voltages.
- Use for applications such as timers, temperature controllers, and boiler control.

# 2080sc-OW2IHC Specifications



|                                                                                                     |                                                                                                          |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Channels Per Module                                                                                 | 2-channel relay output, Form A, normally open                                                            |
| Maximum Pilot Duty                                                                                  | B300; R300                                                                                               |
| Load Rating                                                                                         | 10 A at 5-30 VDC<br>10 A at 125 VAC<br>10 A at 250 VAC                                                   |
| Resolution                                                                                          |                                                                                                          |
| Output Power Rating                                                                                 | 300 W maximum at 30 VDC<br>1250 VA (volt-amperes) at 125 VAC<br>2500 VA (volt-amperes) at 250 VAC        |
| Switching Frequency (maximum)                                                                       | Maximum 1 cycle/3 seconds (1.5 seconds on, 1.5 seconds off )                                             |
| Switching Time (maximum)                                                                            | 10 ms maximum on/off; Normally open; 5 ms typically                                                      |
| Input Contact Resistance                                                                            | <5 Mohm maximum                                                                                          |
| Release Time                                                                                        | 5 ms maximum                                                                                             |
| Backplane current required                                                                          | 35 mA at 3.3 V maximum, 20 mA at 24 V maximum                                                            |
| Thermal Dissipation                                                                                 | 2.2 Watts, maximum                                                                                       |
| Environmental Conditions:<br>Operational Temperature:<br>Storage Temperature:<br>Relative Humidity: | -20 °C to +65 °C (-4 °F to +149 °F)<br>-40 °C to +85 °C (-40 °F to +185 °F)<br>5% - 95% (non-condensing) |
| Certifications                                                                                      | UL/cUL Listed ANSI ISA 12.12.01 (Class I, Div 2, Groups ABCD), FCC, CE, UKCA, CMIM                       |
| Recommended Cable                                                                                   | Belden 8761 or equivalent                                                                                |
| Weight                                                                                              | 34 g (1.184 ozs)                                                                                         |