

# Micro I/O Relay Module

## Relay I/O Expansion for Horner Controllers



Add Relay Outputs  
to any Controller

Slim, DIN-rail  
Mounted

Easy Connection using  
RJ45 Patch Cables

Easy Setup

### SMALL FOOTPRINT I/O EXPANSION

The Micro I/O Relay Module quickly and easily expands the relay capacity of the Micro OCS or any other Horner controller. Featuring eight (8) relay outputs, the module mounts on DIN-rail and connects to the controller using standard RJ45 patch cables. It features removable terminal strips for easy field wiring, and onboard LED indication for diagnostics and troubleshooting. The module is powered from wide-range 10-30Vdc providing compatibility with both 12V and 24V control systems. Its relay contacts are rated for up to 240Vac/30Vdc at 5A, with a limit of 3A per common (two commons available).

### EASY TO SETUP - EASY TO CONFIGURE

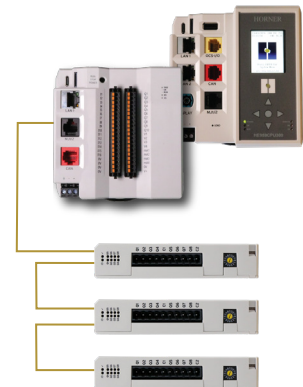
The Micro I/O Relay Module is available in two models. The standard model is expandable and supports daisy-chained wiring, with both CAN input and output connections. It includes a resistor plug for easy termination. With its built-in rotary switch, up to 15 can be added to any CAN network. A non-expandable model is also available (-A), with a limitation of one module per system. The (-A) model is absolutely the lowest cost way to add eight relay outputs to any Horner system.



Micro Series OCS with HE179DQM803-A



Canvas/Prime Series OCS with HE179DQM803



Modular Controller with HE179DQM803



This product is  
BABAA Compliant

## MICRO I/O SPECIFICATIONS AND DIMENSIONS

Bus Protocol	CsCAN (Control Station Controller Area Network)
Bus Connector	RJ45 Modular Jack (8P8C)
Maximum Distance	33m (108 ft) using Category wiring; 500m (1500 ft) using standard CAN wiring
Maximum Number of Nodes	15 per system (1 per system with -A model)
Address Configuration	Rotary Switch, Address 1 to 15 (Address fixed at 20 for -A model)
LED Indication	I/O status (one per point); power, module status
Dimensions - in (mm)	5.094 in (129.38 mm) H x .974 in (24.75 mm) W x 3.003 in (76.29 mm) D

## PART NUMBERS

HE179DQM803	Micro I/O 8 channel relay output module with selectable CAN ID; 3A/channel; 5A/common; 30VDC 240VAC
HE179DQM803-A	Micro I/O 8 channel relay output module with fixed CAN ID; 3A/channel; 5A/common; 30VDC 240VAC. Not expandable - limit of one module per system.
HEXRJ000	6" RJ45 to RJ45 Patch Cable - for connecting multiple Micro I/O modules to each other
HEXRJ003R	3' RJ45 Patch Cable - for connecting Micro OCS or any Horner CPU to a Micro I/O module
HEXRJ009	3' RJ45 Patch Cable - for connecting Micro OCS or any Horner CPU to a Micro I/O module
HEXRJ503	3' 5-pin to RJ45 Cable - for connecting XL, XL Prime or Canvas to a Micro I/O module
HEXRJ509	9' 5-pin to RJ45 Cable - for connecting XL, XL Prime or Canvas to a Micro I/O module



HE179DQM803



HE179DQM803-A



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