

9.7 IC200UEO108 8 Point Expansion Unit, (8) 24Vdc Transistor Outputs, 24Vdc Power Supply

IC200UEO116 16 Point Expansion Unit, (16) Transistor Outputs, 24Vdc Power Supply

VersaMax Micro PLC Expansion Units IC200UEO108 and IC200UEO116 provide 8 and 16 DC sink-type outputs, respectively. These modules require +24Vdc nominal input power.

9.7.1 Transistor Outputs

The sink-type transistor outputs are isolated between field and logic and are switching positive voltage.

External fusing should be provided to protect the outputs. Otherwise, a load short can damage the module output transistor, which is not user replaceable. Fast fuses are recommended.

The outputs share one common incoming 24Vdc supply and one common ground. The outputs are able to drive high inrush currents (8 times the rated current) and are protected against negative voltage pulses. This makes it possible to switch lamps and inductive loads.

9.7.2 Expansion Units IC200UEO108 and IC200UEO116 Specifications

Item	Description
Inputs	None
Outputs	IC200UEO108: Eight sink-type DC transistor output circuits IC200UEO116: Sixteen sink-type DC transistor output circuits
DC Power Specifications	
Range	24 –20%/+25%Vdc
Hold-up	10ms at 19.2Vdc
Inrush Current	1 A maximum at 30Vdc
Inrush Time	10 ms for 1 Amp
Input Current	0.16 A typical at 24Vdc
Input Power Supply Rating	4W
Transistor Output Specifications	
Voltage Range	12/24Vdc +10%/-15% (at VC)
Maximum Load	0.5A per point, 3A per common

Item	Description
Maximum Inrush Current	5.6 Amps
Output Voltage Drop	0.3V maximum
OFF state leakage	0.1mA maximum
Response	OFF to ON or ON to OFF: 0.5ms
Isolation Voltage	1500V RMS field side to logic side, 500Vac between field side and logic side
External power supply	10-30Vdc required to power the outputs.
Fuses	Outputs should be fused externally.
Minimum Switching Current	1mA

9.7.3 Wiring Diagram, IC200UEO108

Figure 65

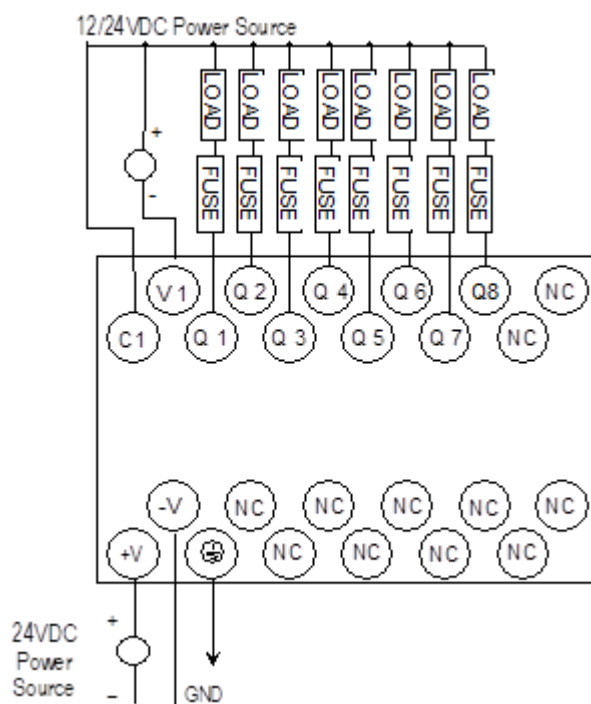


Figure 66

