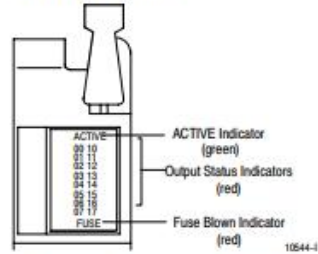


Isolated AC Output Module (Cat. No. 1771-OD16)**Specifications (Cat. No. 1771-OD16)**

Outputs per Module	16
Module Location	1771-A1B thru -A4B or later I/O Chassis
Voltage Rating	74 to 138V ac, 47–63Hz
Current Rating (per channel)	5mA–2A continuous (max) 20A surge for 100ms; repeatable every 2 seconds 8A continuous per module (maximum)
Power Rating	3 Watts per output (max) @ 2A
On-state Voltage Drop (each output)	5.7V rms (max.) @ load current <70mA 1.5V rms (max.) @ load current >70mA
On-state Load Current	5mA minimum
Off-state Leakage Current	3.0mA max. @ 138V ac; 1.5mA (typical) @ 120V ac
Zero Voltage Turn-on	25V ac maximum; 15V ac typical
Signal Delay Times	Off to On On to Off
	8.8ms @ 60Hz max; 10.6ms @ 50Hz max 8.8ms @ 60Hz max; 10.6ms @ 50Hz max (zero cross switching)
Power Dissipation	13.0 Watts (max); 1.0 Watts (min)
Thermal Dissipation	44.4 BTU/hr (max); 3.4 BTU/hr (min)
Backplane Current	200mA maximum
Isolation Voltage	Isolation meets or exceeds UL Standard 508, and CSA Standard C22.2 No. 142.
Maximum Cable Length	1000 ft (304.8 m)
Environmental Conditions	
Operational Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	–40° to 85°C (–40° to 185°F)
Relative Humidity	5 to 95% (without condensation)
Conductors	Wire Size 14 gauge (2mm ²) stranded maximum ² 3/64 inch (1.2mm) insulation maximum ¹
Category	
Keying	Between 22 and 24 Between 34 and 36
Fuses	3A 2AG Slo-Blo fuses (1 per output), Littelfuse P/N 229003
Optional Fuse Kit	Cat. No. 1771-FE (contains 5 fuses)
Field Wiring Arm	Catalog Number 1771-WN
Wiring Arm Screw Torque	7–9 inch-pounds
Agency Certification (when product or packaging is marked)	• CSA certified • CSA Class I, Division 2, Groups A, B, C, D certified • UL listed • CE marked for all applicable directives
Installation Instructions	1771-5.21

¹ You use this conductor-category information for planning conductor routing as described in the system-level installation manual.

² 14 gauge wire connected to all terminals may not allow the field wiring arm cover to close. A smaller gauge wire may be required.

Status Indicators**Sample Connection Diagram – Driving a 1771-ID16 with a 1771-OD16**