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Form 449-961001

description

AC output modules are used for controlling or switching AC loads. Each module provides 4,000 V_{rms} of optical isolation between the field devices and the control logic. With the exception of the OAC5A5 module, all AC output modules are equivalent to a single pole, single throw, normally open contact (FORM A, SPST-NO, Make). The OAC5A5 is equivalent to a single pole, single throw, normally closed contact (FORM B, SPST-NC, Break). All AC output modules feature zero voltage turn-on and zero current turn-off.

Typical uses and applications for AC output modules include switching the following loads:

- Relays
- Solenoids
- Motor Starters
- Heaters
- Lamps or Indicators

Part Numbers	Description
OAC5	AC Output 12-140 VAC, 5 VDC Logic
OAC5A	AC Output 24-280 VAC, 5 VDC Logic
OAC5A5	AC Output 24-280 VAC, 5 VDC Logic, NC
OAC15	AC Output 12-140 VAC, 15 VDC Logic
OAC15A	AC Output 24-280 VAC, 15 VDC Logic
OAC24	AC Output 12-140 VAC, 24 VDC Logic
OAC24A	AC Output 24-280 VAC, 24 VDC Logic



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specifications

General/Applies to all Models

Current Rating @ 45° C Ambient @ 70° C Ambient	3 amps 2 amps
One Cycle Surge	80 amps peak
Peak Repetitive Voltage	500 Volts
Operating Ambient Temperature	-30° to 70° C
Isolation Input-to-Output	4,000 Vrms
Minimum Load Current	20 milliamps
Operating Frequency	25 - 65 Hz
Turn-on Time	1/2 cycle maximum-zero voltage
Turn-off Time	1/2 cycle maximum-zero current
DV/DT - Off-State	200 volts/microseconds
DV/DT - Commutating	Snubbed for rated 0.5 power factor load
Output Voltage Drop Maximum Peak	1.6 volts
Off-State Leakage @ Nominal Voltage - 60 Hz	5 milliamps rms 2.5 milliamps rms for OAC5A OAC15A, and OAC24A @120 VAC

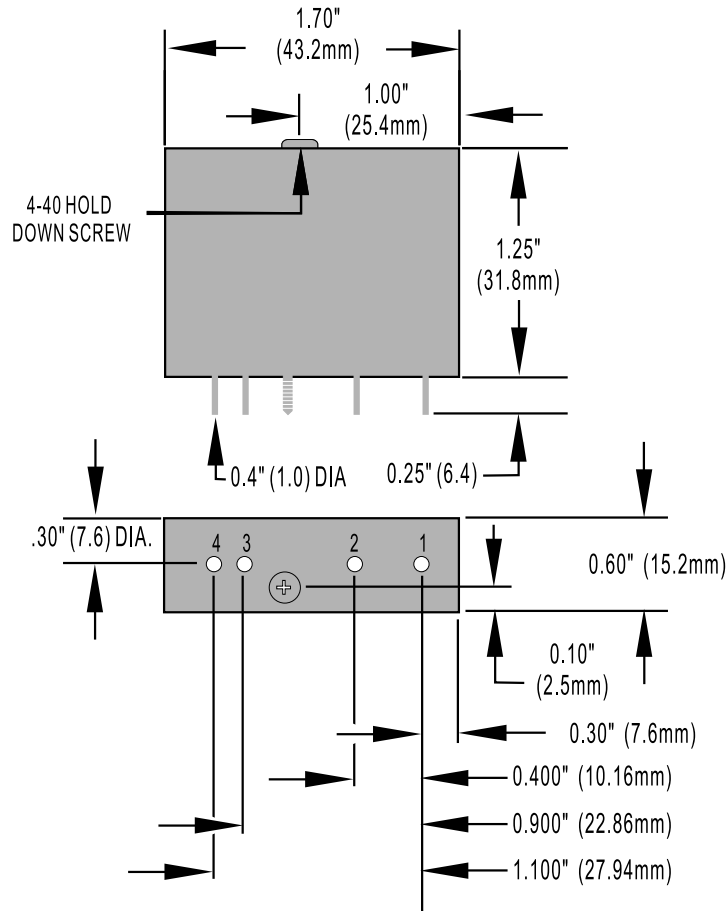
Module Specifications

	Units	OAC5	OAC5A	OAC5A5 (NC)	OAC15	OAC15A	OAC24	OAC24A
Line Voltage - Nominal	VAC	120	240	120/240	120	240	120	240
Operating Voltage Range	VAC	12-140	24 - 280	24 - 280	12 - 140	24 - 280	12 - 140	24 - 280
Logic Voltage - Nominal	VDC	5	5	5	15	15	24	24
Logic Voltage Range (Vcc)*	VDC	2.5-8	2.5 - 8	2.5 - 8	9 - 16	9 - 16	18 - 32	18 - 32
Logic Pickup Voltage*	VDC	2.5	2.5	2.5	9	9	18	18
Logic Dropout Voltage	VDC	1	1	1	1	1	1	1
Logic Input Current-@ Normal Logic Voltage (I _{out} in schematic diagram)	mA	12	12	12	15	15	18	18
Control Resistance (R _c in schematic diagram)	Ohms	220	220	220	1K	1K	2.2K	2.2K

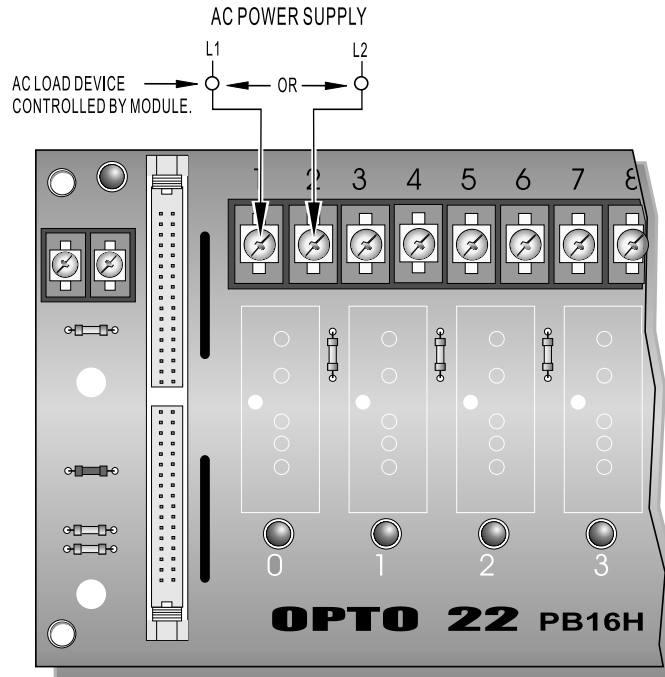
* Module only

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dimensions



connections CONNECTION DIAGRAM



schematics

