

AC VOLTAGE DETECTOR ACVD-1, ACVD-4

DESCRIPTION

AC input modules are used for sensing ON/OFF alternating current (AC) voltage levels. All AC input modules are designed with filtering on the input and a hysteresis amplifier for high noise rejection and transient free “clean” switching.

Each module provides 5300 Vrms of optical isolation between the field inputs and the logic output of the circuit.

Typical uses and applications include sensing contact closures from sources such as:

- Thermostats
- Toggle Switches
- Limit Switches
- Proximity Switches
- Float Switches
- Selector Switches
- Push Button

Modules Features are as follows:

NAME	INPUT VOLTAGE AC	OUTPUT VOLTAGE	CHANNEL QUANTITY
ACVD-1	20 – 280	5-30	1
ACVD-4	20 – 280	5-30	4

PECIFICATIONS

General/Applies to all models

Operating Ambient Temperature	-30 to +75 °C
Junction Temperature	100 °C
Isolation Test Voltage	5300Vrms
Isolation Resistance Vio=500 V, Ta=25 °C	$\geq 10^{12}$ Om
Vio=500 V, Ta=100 °C	$\geq 10^{11}$ Om
Input Current	10 mA
Output Voltage Drop	0,4 volts 10mkA
Output Current	30 mA
Output Transistor	30 volts breakdown

* There is a possibility to enlarge load current. Consult a specialist.

** This parameter can be enlarged at customer’s desire.

For detailed information refer to data sheets of modules main components.