

# n.FORM<sup>®</sup>

## AUDIO CONTROLLED RELAY

MODEL ACR1



### FUNCTION

The Audio Controlled Relay is designed for quick convenient installation, and reliable operation in a variety of control applications. The ACR1 is designed to switch on line-level sources and its relatively short release delay time makes it the optimum choice for voice applications.

### FEATURES AND CAPABILITIES

- + Control Switching from Audio Signal
- + Switching from Mic or Line Signals
- + Silence sensing
- + Precise Threshold Adjustment
- + DPDT Switching Contacts
- + Open Collector Slave Output.

### INPUT SENSITIVITY

- + 30 dBu to 0 dBu, (adjustable, provides switching at a -20 dB threshold for signals of -10 dBu to +20 dBu)

### RELAY RELEASE DELAY

- + 0.5 to 5.0 seconds (Multi-turn adjustable)
- + 25V

### AUDIO INPUT

- + 10 k $\Omega$  balanced bridging

### INPUT CONNECTIONS

- + Balanced or Unbalanced

### CONTROL OUTPUT

- + Open-collector @ 100 mA Suitable to drive indicators or slave LCR

### RELAY CONTACTS

- + Double-Pole, Double-Throw

### MAXIMUM SWITCHING POWER

- + 60W (220 Vdc, 125 Vac. 2 A)

### POWER REQUIREMENT

- + 24 to 33 Vdc @ 50 mA

### DIMENSIONS

- H: 1.55 in. 3.94 cm W: 3.00 in. 7.62 cm D: 0.65 in. 1.65 cm