



The LND-SENS92

SENSOR ANALYSIS MODULE

The LND-SENS92 Sensor Analysis Module

An Electronic Circuit Breaker Using the LND-SENS92

What is the LND-SENS92?

The LND-SENS92 is a comparator channel for doing analysis of sensors which source or sink a current. The device is used as a programmable trip point channel. The device includes two dividers. One of these dividers is potentially the low reference to one end of a variable resistor. High/Low input determines whether one end of a variable resistor contained within "analog switch is connected directly to pin 1 or to the center of the divider connected to pin 1. The Analog Switch also includes a 7 bit silicon resistor. When Pin 3 is connected to a current sink or source, the voltage at pin 3 will be pulled high or lower than the selected reference. By adjusting the resistor, a set point can be determined which will cause the comparator to switch.

Applications of this device include programmable circuit breakers (using an external MOSFET), protection devices, sensor trip points for security or equipment monitors, door opening devices, motor shutoffs.

How do I get samples?

The LND-SENS92 comes in a 16 pin SSOP package. Samples are only available in ceramic form. Contact your regional Linear Dimensions sales representative for more information.

Features

- Adjustable trip point
- Current Mode Operation
- Comparator and Buffer
- Directly drive of logic level MOSFETS
- For Use in Trip Sensor Channels

Applications

- Programmable Circuit Breakers
- Protection Devices
- Sensor Inputs
- Security Systems
- Equipment Monitors
- Door Opening Services
- Motor Shutoffs

