

CK2129 – Raysistor Opto Coupler



Four-terminal optoelectronic coupler, forerunner of solid-state optocouplers. This family of components, known as Raysistors, contains one incandescent or neon lamp and one cadmium-sulphide photoresistor. Raysistors were used in a variety of control circuits. Such a device was commonly used as dynamic compressor/expander circuits in audio amplifiers, but even as input insulator in industrial circuits.

In the sample above there is a neon lamp in a tubular 4-lead case. Its typical use was as insulator in input lines of industrial controls.

Control lamp: 120V, 0.5 to 3.5 mA

Photoresistor: 2000 ohms to 10 megaohms, 250V max, 250mW

Switching speeds: 25ms on, 350ms off.