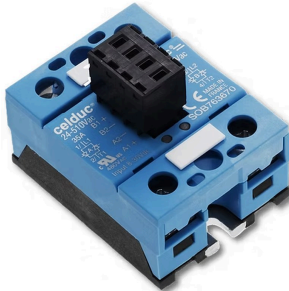


Four things worth remembering about Celduc

Solid state relays for the heaters and motors on machines you ship, and magnetic sensors with no contact to wear. Family-owned in France since 1964; the relay is designed and built in its own two plants.

1



Wears out open, not stuck on

Celduc bonds the power stage with wire bonds on a direct copper bonded substrate. Its wear-out mode is an open bond, so the load **drops out instead of latching on**. A reliability difference, not a rated safety function: the overtemperature cutout stays in the design.

2



The relay that reports

The PLC knows it commanded the output on. It does not know current is flowing. SOI relays build the **current sensor into the output**, no external CT; a broken element drops the current and the relay flags it. The ESUC plug-on module watches up to five heater loads for partial break.

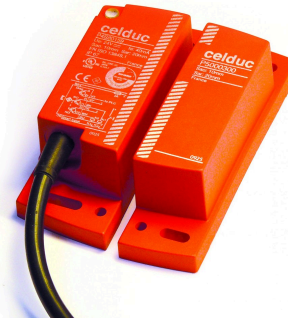
3



Millions of cycles, nothing to wear

A temperature loop switches its relay several times a minute for years. No contact to erode, no coil, no arc. Single and three phase, **4 A to 125 A**: zero-cross switching for heating loads, random turn-on for motor duty.

4



The sensor with no moving contact

Magnetic proximity, position, level, flow and safety sensors, plus reed relays: a magnet and a sealed switch, **no mechanical contact to foul**. Guard doors, float levels and cylinder position on washed-down or vibrating equipment.

Built in France since 1964

Family-owned, third generation, two plants of its own and about 15 percent of turnover into R&D. Custom variants to your spec are normal business, not a special request.

Figure the heat

Roughly one to one and a half watts dissipated per amp conducted, so the heatsink is part of the part number and the panel needs the thermal budget. An SSR leaks in the off state: lockout and isolation stay with a contactor, and we will tell you which.

Challenge us

After 30-plus years in the industrial hardware space we know these products, on our line card and off it. Bring us your most stringent or most mundane requirement. If one of our product lines fits, we will show you where. If it does not, we know someone who will.

Your local Celduc contact in Northern California and Northern Nevada

Jeff Weseloh, Application Engineer, Dynamic Measurement and Control Solutions
(408) 780-9190 · jeff@dynamicrep.com

www.dynamicrep.com/celduc