



Sensors

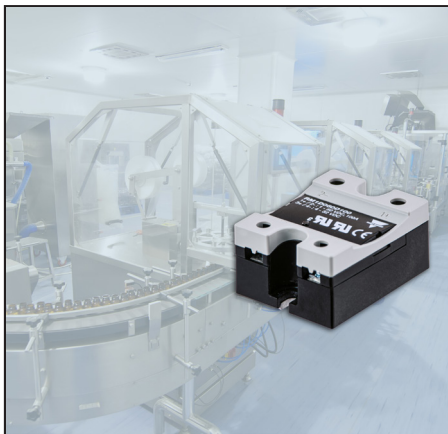


Switches



Controls

Application notes



Application Note : March 2020

Market involved : HVAC

Product : RM1D060D10

Customer : OEM

Subject : Switching of heaters in mobile industrial dehumidifiers

CUSTOMER ISSUE :

Reliable switching of heaters for air drying and air-purification.

When access to the grid is not available, mobile dehumidifiers are used. These are equipped with onboard batteries and internal components operate on DC.

Customer wants a reliable switching component for the control of a small heater (1A) provided in a package that allows its mounting on a chassis.

OUR SOLUTION :

Being fully solid state, the RM1D can last for many more switching cycles without breaking down than a mechanical relay.

The RM1D060D10 is rated with a max. 60V 10ADC and can be controlled with a voltage in the range of 4-32 VDC.

It is provided in the hockey puck package that allows for mounting directly onto a chassis.

BENEFITS :

- Long lifetime: a solid state solution can last for many more switching cycles than a mechanical relay
- Easy to mount directly onto the chassis of the equipment
- Silent operation