

APPLICATION DESCRIPTION



1 Door control

A Reed Sensor or PCB mounted Reed Switch detects via a Magnet in the door when the door is opened. A light is switched on then. In addition some time counter can be activated to give an alarm signal if the door stays open for a certain time.

2 Fan control

Some bigger refrigerators or wine coolers are using fans on the inside to distribute chilled air within the cooling chamber. These fans can be switched off when a door opens (controlled by Reed Sensor and Magnet) to prevent blowing cold air or particles into to the users face.

3 Water level control for automatic ice cube makers

Modern refrigerators do offer automatic ice cube makers. Those need to have a water tank. The water level inside the tank can be checked with either a float with an magnet inside and the Sensor outside or with a conventional Level Sensor within the tank. If the water level drops below a certain point a warning will be issued and the machine will stop producing ice cubes.

Refrigerator

Suitable PIC Products

Reed Sensors



SMD Reed Switches



Level Sensors



For detailed product info visit:
www.pic-gmbh.com/en/products/