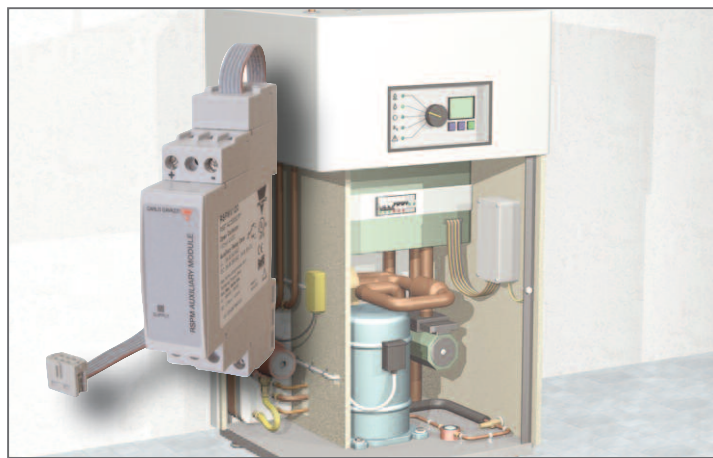


# CG APPLICATIONS

CARLO GAVAZZI



**Application Note :** October 2010

**Market involved :** HVAC

**Product :** RSPMV120

**Customer :** Heat pump customers

**Subject :** RSPMV Side Module for  
RSBT Compressor softstarter

## CUSTOMER ISSUE :

When there is an alarm situation, the Heat Pump stops and the Heat Pump manufacturer has to send maintenance personnel to verify the problem and provide a quick fix.

Sometimes, the alarm is not related to the Heat Pump but is due to a problem from the utility (eg.Undervoltage).

Due to space limitation in the electrical panel, it is difficult to install multiple modules to cater for the different abnormal conditions/alerts that might occur during the heat pump operation.

## OUR SOLUTION:

RSPMV120 is a very compact solution with an open collector and SPDT relay outputs.

The open collector output provides a pulsating output of the alarms generated by the RSBT softstarter.

RSPMV120 is available in a 17,5mm wide DIN rail mountable housing, making it a very easy fit in the compact heat pump electrical panels.

## ACHIEVED BENEFITS:

- Reduced maintenance costs by reducing the number of unnecessary maintenance interventions. Maintenance technicians can be informed on the type of alarm generated by the HP in advance thus helping to plan the necessary maintenance activities and reduce time spent in fault identification.
- By providing a number of diagnostic functions in one single 17,5mm wide unit, cost savings in view of the reduced wiring and panel space saving can be achieved.