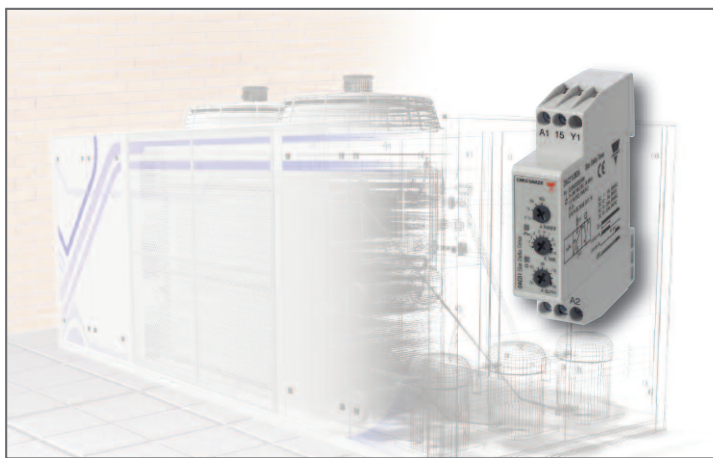


CG APPLICATIONS

CARLO GAVAZZI



Application Note: September 28th 2007

Market involved : HVAC

Product : DAC51

Customer : ---

Subject : Star-Delta motor starting of rooftop conditioning plant

CUSTOMER ISSUE :

Rooftop conditioning plants are usually supervised by PLC or electronic board, which provide also output relays used to get the star-delta connection to start the compressor.

Even using external auxiliary contactors, the output relays are often subjected to get damaged.

OUR SOLUTION:

Using DAC51, one of the smallest star-delta timer on the market, the problems on the rooftop controller relays can be overtaken.

It allows to achieve a reliable, performing and cheap star-delta function, releasing the PLC from this stressing operation.

Moreover, an adjustable star to delta dead time avoids a fast wear of the contactors.

ACHIEVED BENEFITS:

- Money saving on mechanical repairs thanks to the timer cheapness.
- Down time reducing thanks to the fast replacement of the timer in case of damaging.
- People discomfort reducing.

