

CG APPLICATIONS

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Market involved : Food & Beverage

Product : HAA08, HAA14

Customer : Panel Builder, OEM's

Subject : Alternating compressors in butcher's refrigerating rooms

CUSTOMER ISSUE :

Every butcher's shop is provided with a refrigeration room keeping the stored meat at the right temperature.

No long interruptions of the cooling process are allowed, so at least two compressors alternately driving the cooling fluid are needed.

Furthermore, it is also required to separately protect the compressors in order to ensure a partial cooling cycle even if one pump gets broken or the relevant circuit breaker opens, due to overloads or short-circuits.

OUR SOLUTION:

Setting the symmetrical recycler function in the compact HAA08 8-pin blade plug timer, it is easy to activate the compressors in turn.

Furthermore, thanks to the double changeover output contact (DPDT), the compressors can be protected by two independent circuit breakers.

Whenever additional outputs are required (i.e.: signals to the main control board), the model HAA14 provides a quadruple changeover contact (4PDT).

ACHIEVED BENEFITS:

- Meat is always cold, so no risk of goods deterioration.
- Equal split of the wear and tear between the compressors.
- Each compressor is protected by its own circuit breaker, so the probability to have the whole cooling system stopped is reduced to a minimum value.
- More user friendly interface than digital controllers.
- Very small housing (21.5 x 28 mm wide) to be put in existing full electrical panels or save space in new ones.

