Connecting up the installation / Start relay

As with the overload protector it is vital to use the relay which comes with the compressor or condensing unit, even if a different model seems to function satisfactorily at any given time:

- an incorrect relay can cause serious damage to the compressor motor and other electrical components.

- It can also cause contact flutter, supply voltage variations and longer start up times.

PTC relays

Some models of compressors are fitted with PTC relays: do not use electromagnetic relays on these compressors and do not use a PTC on motors designed for electromagnetic relays.

PTC relays require a cooling period of about 3 minutes before each start up and even longer if the compressor casing is very hot due to high ambient or difficult operating conditions.

In the case of a remote relay (voltage or current types) mounted in an electrical box, it is essential that the box is mounted in a vertical position.

Anything over 15 degrees off the vertical will affect the start capacitor and/or the start winding of the motor.

This recomendation concerns systems fitted with potential relay as well as current relay.

For compressors that are usually delivered with non fitted electrical accessories (for instance air conditionning compressors), please look at the joined mounting instructions :