FAULTY INPUT OF SUCTION PRESSURE

With some previous generation ***FrigoPack***s there could be a problem with the sensing of the Suction pressure caused by a component failure (blue LED). This problem only occurs with a small percentage of ***FrigoPack***.

The ranges possibly affected can be analysed and cured as follows.

General fault finding

Bridge two input terminals to **MAM** input module and check pressure reading on the ***FrigoPack (E)* FEP**:

- Bridge input terminals **2A-2B** temporarily with a piece of wire and read the internal pressure as follows:
  02:te____tc (left-hand side reading in bar)

  A pressure of 7.0 bar should be indicated.
  If 7.0 bar is not shown, then there is a problem with the analog input of suction pressure.

- Connect a refrigeration manifold (REFCO or similar) and measure the suction pressure if a pressure gauge is not fitted and compare with the FrigoPack pressure reading in bar:
  02:te____tc (left-hand side reading in bar)
  The same pressure should be indicated.

  BUT
  If the pressure is higher than 7.0 bar, then ***FrigoPack*** will only show 7.0 bar
  If the same pressure is not shown, then there is a problem with the analog input of suction pressure.

Methods of solving the problem

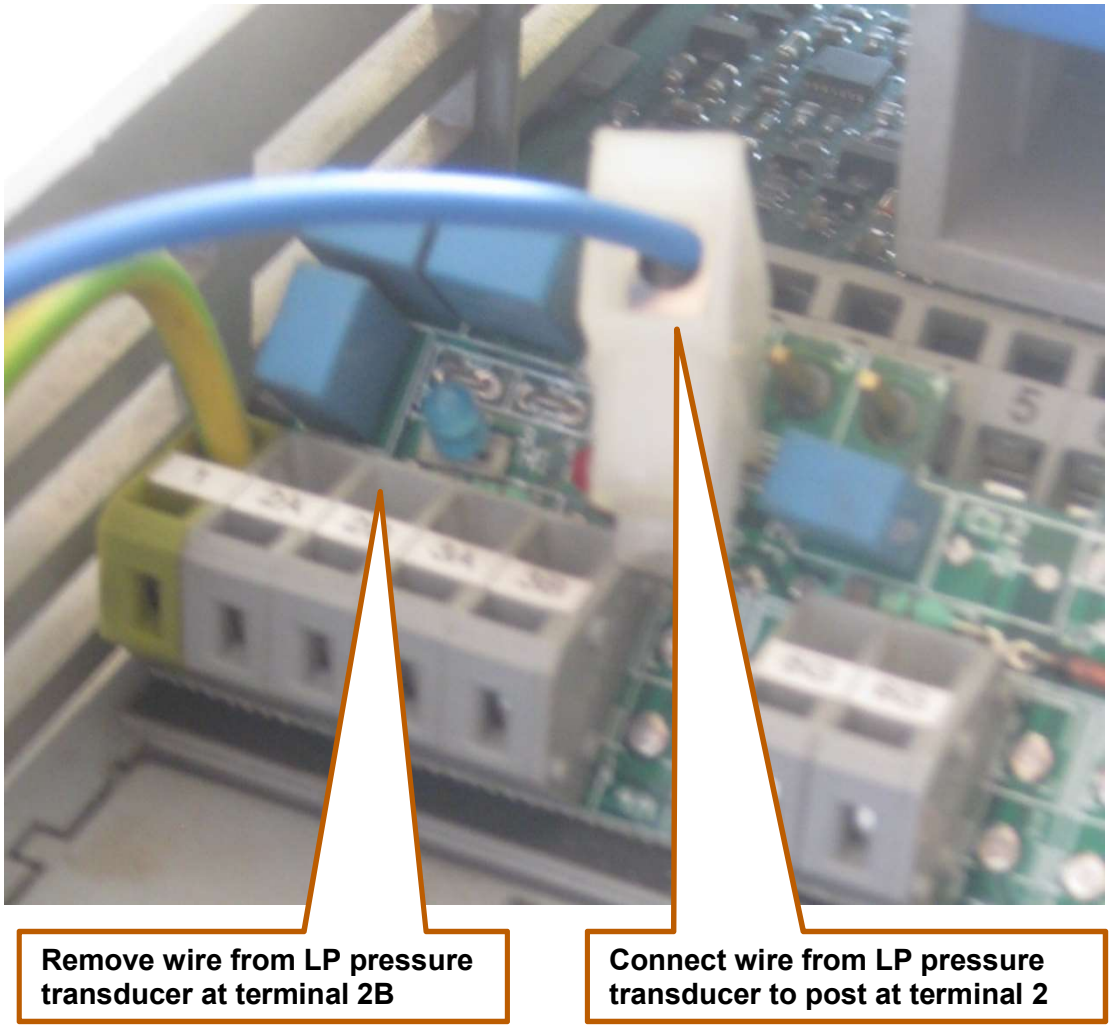
- Return the suspect / faulty ***FrigoPack*** to **KIMO RHVAC** for repair.
- Replace the input module of ***FrigoPack(E)* FEP** with a spare part:
  Replace the internal **MAM** module (strip module inside the ***FrigoPack***) with a replacement module. This requires electronic skill and several small screwdrivers to open several grey control terminals at the same time. On no account may the control board be damaged so great care is required.

- Make a temporary on-site repair as described on page 2.

***Temporary repair of FrigoPack*(E) FEP:**

- Remove the wire from the pressure transducer to Terminal 2B on the internal **MAM** module (strip module)
- Reconnect to the post connector at Terminal 2 on the ***FrigoPack*** control module using a single pole from a two-screw barrier strip.

The following photograph shows how to do this.



High-pressure input

There have never been any problems with the high-pressure input to do not make any changes to the high-pressure input without referring to KIMO RHVACC first.