

FAULTY INPUT OF SUCTION PRESSURE

With some previous generation **FriGoPacks** there could be a problem with the sensing of the Suction pressure caused by a component failure (blue LED).

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 **FriGoPackE(I) FMV**:

Bridge input terminals **3A-3B** temporarily with a piece of wire and read the internal pressure as follows:

Small keypad: **AP01**

Large keypad: **01:pe SUCT PRES**

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 **FriGoPackE(I) FMV** pressure reading in bar:

Small keypad: **AP01**

Large keypad: **01:pe SUCT PRES**

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 external **MAM** module (green PCB) with a replacement module
- Make a temporary on-site repair as follows:
 - **FriGoPackE FMV**:
Link there following terminals:
 - Terminal **3B** on the external **MAM** module (on the green base)
with the wire from the pressure transducer still connected to terminal **3B**
 - Terminal **3** on the **FriGoPackE FMV**
(control terminal on the right-hand side under the terminal cover)
There is already a wire connection to this terminal so care is required.

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.