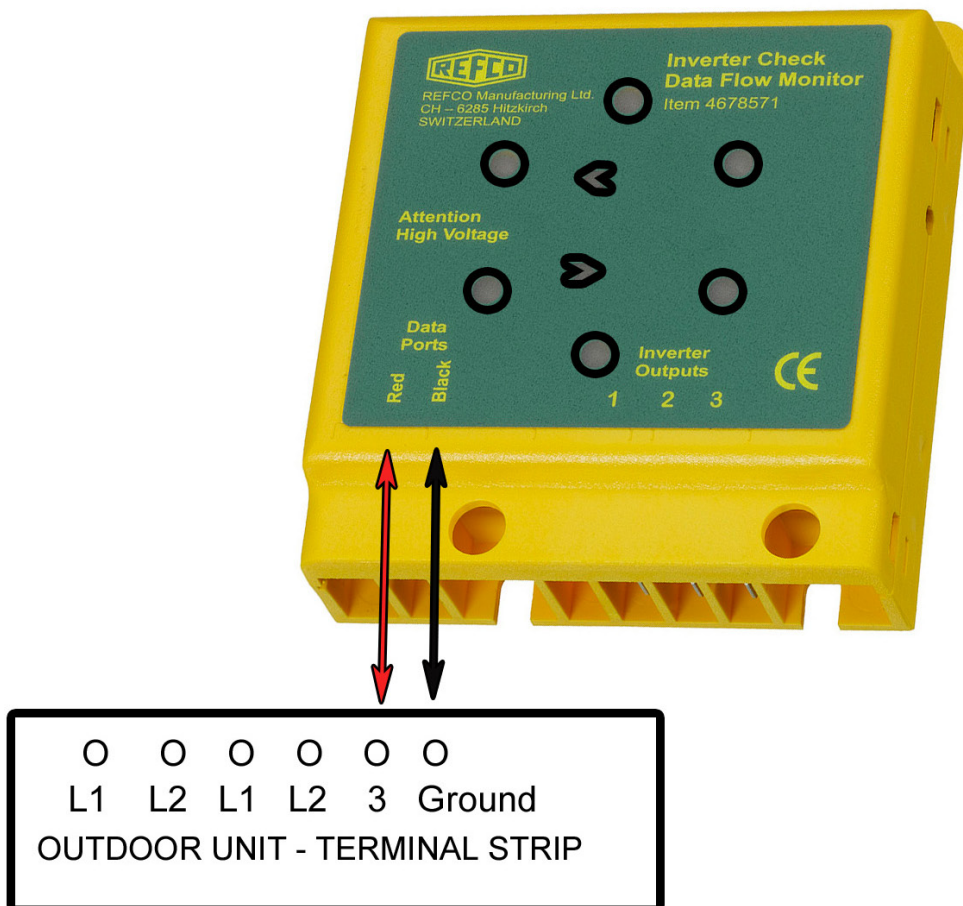


## Performing the Tests - Checking the Data Flow

When the inverter is operating, data flows between the outdoor units PCB to each of the indoor units PCB.

1. To check these data flows, connect the red and black data probes to the pairs of terminals feeding each of the indoor units in turn.
2. With the inverter systems switched on and operating the indoor units, the two data flow lights should be both flashing in turn to indicate that data is flowing in both directions. This flashing is not symmetrical and varies in intensity and frequency depending upon the type and amount of data being transmitted.
3. It is only important to check that the data is bi-directional, which is indicated by the flashing of these two lights separately.
4. If one or both lights do not flash, then check that the connecting cable is not damaged and the connections at both ends are made properly. Also make sure that the indoor and outdoor PCB boards are each grounded to each other.
5. If all is well then change the appropriate indoor board and re-test. If there is still no success, then the data board in the outdoor unit should be changed.



## INVERTER PHASE CHECK MODULE

### Performing the Tests - Checking the Inverter Phase Outputs

The test is carried out using the three Phase Terminals marked 1, 2, 3.

1. With all power switched off (See below) disconnect the three wires labeled U, V, W from the outdoor PCB which is connected to the inverter compressor. Connect the three wires to the output terminals on the Inverter Check Module, marked 1, 2, 3.
2. With the three wire connections safely made from the outdoor inverter PCB to the Inverter Phase Module, place the Module on a dry surface where the lights can be seen through the windows in the fascia label. Now switch the power back on and operate the system.
3. If the inverter outputs are "Good" then all six lights will turn on, showing red, yellow and blue. If there is a problem with the output (power) board, or with the PCB board then one or more of these lights will not be lit.

NOTE: The inverter boards from some manufacturers incorporate a safety cut-out which stops the inverter after a few seconds if the compressor is not connected. In these cases the lights on the Inverter Module will only light for a few seconds, but provided all six lights turn on then the inverter PCB is probably ok. A second test, with the compressor and the Module connected should then provide further confirmation.

