

7.0 GPU SYSTEM CONTROL PANEL

7.1 GENERAL

7.1.01 A control panel is supplied for the purpose of monitoring the Gas Pump system and receiving/sending signals from/to the Building Management and the Firemans Control Panels.

7.2 GAS PUMP MONITORING FUNCTIONS

7.2.01 Low Water Level

The water storage tank is fitted with a level switch, should the water level drop below the pre-determined level an indication will be shown on the control panel and a fault will be sent to the building management control panel.

7.2.02 Low Nitrogen Pressure

Each nitrogen cylinder is fitted with a pressure switch set to 170 bar falling, should the pressure in any cylinder drop below this value an indication will be shown on the control panel and a fault will be sent to the building management control panel.

7.2.03 Low Standby Pressure

A pressure switch set at 15 bar falling is fitted between the GPU and the section valves to monitor the 25 bar standby pressure. Should the pressure drop below this value an indication will be shown on the control panel and a fault will be sent to the building management control panel.

7.2.04 Valve Not Fully Open

The system isolation valve is fitted with a limit switch to monitor the valve position, should the valve not be fully open an indication will be shown on the control panel and a dedicated alarm will be sent to the building management control panel.

7.2.05 In the event of a any faults being shown on the building management control panel the GPU system control panel should be investigated to ascertain which of the aforementioned functions is indicated.

7.3 PANEL INPUTS – FIRE CONDITION

7.3.01 Hold for confirmation

7.3.02

7.3.03

7.4 PANEL OUTPUTS – FIRE CONDITION

7.4.01 Hold for confirmation

7.4.02

7.4.03

Operation, test and reset instructions are printed on the panel fascia.

Further information on the panel can be found in the manufacturers manual contained in App 05