

## GLYCOL SYSTEM CONTROLLER

### Model ARB-GSC01

#### DESCRIPTION

The Glycol System Controller was designed to monitor and control a glycol system. To this end it is equipped with, two sensors, a pump control output, local buzzer alarm and remote alarm output. The glycol controller is housed in a hermetically sealed enclosure and all cables penetrate the enclosure through cable glands. On the face the controller is equipped with five indicator LEDs and two switches. There are three colours of LEDs three red, indicating whether the associated item is active, remote alarm, pressure sensor and low level sensor. The yellow LED indicates that the pump output is active, and the green LED indicates that the controller is receiving power. There are two switches mounted on the face, the top switch turns the sound of the local buzzer off. The second switch is the motor control switch and has three positions, 'manual' which activates the motor, 'automatic' where the motor is in the micro's control and 'off'. The micro constantly monitors the sensors and reacts.

The following table illustrates the controller's reactions to the various sensor states.

Sensors	Reaction	Diagram	
Both Sensors Inactive	Pump is off, Pump LED is off Alarm is off, Alarm LED is off Pressure Sensor LED is off Low Level Sensor LED is off	●	●
Pressure Sensor Active Low Level Sensor Inactive	Pump is on, Pump LED is on Alarm is on, Alarm LED is on Pressure Sensor LED is on Low Level Sensor LED is off	☀	☀
Pressure Sensor Active Low Level Sensor Active	Pump is off, Pump LED is off Alarm is on, Alarm LED is on Pressure Sensor LED is on Low Level Sensor LED is on	☀	●
Pressure Sensor Inactive Low Level Sensor Active	Pump is off, Pump LED is off Alarm is on, Alarm LED is on Pressure Sensor LED is off Low Level Sensor LED is on	☀	●