

## DCS 1101 DUAL ELECTRIC PUMP CONTROLLER



### DESCRIPTION

The DCS 1101 controller is designed to simplify the design and wiring of control system for Dual Electric Pump Control Panel.

The controller provides all the necessary functions and alarms required to automatically select and protect each pump.

The DCS 1101A controller is made for panel mounting, while the indication and switch module DSC 1101B is made for door mounting.

The engraved label can be used as a template for drilling all the holes in the front panel.

The DCS 1101A controller can be used in fill or empty applications.

The DSC 1101 Controller can be powered from D.C. or A.C. source.

### OPERATION

“Pump Start” level switch activates RL1A or RL2A (depending on the position of the alternating relay position) with energised contactor C1 or C2. Pump run LED will indicate pump contactor is energised.

“Pump Stop” level switch deactivates RL1A or RL2A and changes the state of the alternating relay.

If Duty Pump fails whilst called for, second pump will start and Pump fault will light. Volt free contact will then be available for remote indication.

In case duty pumps can not keep up the demand, the stand by pump will be started. Red LED on indicator panel will light and then if Pump Stop level switch fails the second stop level switch will deactivate the controller. Red LED on indicator panel will light and a volt free contact will close to trigger a remote alarm.

Selecting “MAN” position on the controller switch can manually start each pump. In this mode pumps will be switched off if over filled or emptied.

## **SPECIFICATIONS**

DC Supply: 12v (8-16.5v)  
24v (16-33v)  
Case Material: ABS Plastic  
Probe Operating Temp: +20 to +120° Celsius  
Relay Contacts: Volt free NO, max 3A resistive  
Dimensions: 64h x 58w x 35d  
Connections: 200mm Colour coded leads  
Protection against polarization errors