

### 3.3 Metering Pump Auto Change Over Controller

#### Pump Automatic Change Over Controller

For Metering pumps fitted with chemical flow switches and relay:  
i.e.- Gala or Sigma.

The controller monitors for loss of chemical flow and actuates change from Pump One to Pump Two. Redirects the 4-20 mA signal when used with Gala or Sigma pumps.

**Features:**

- Pump sequence switch (Select pump A to B or B to A)
- Fault alarm
- By-Pass switch.

**Note:** Add price of chemical flow monitors and relays to selected pump price.



Part No.  
CTP-CO

#### ProMinent Pump Automatic Change Over Controller

The ProMinent Fluid Controls Automatic Change Over unit allows 2 ProMinent® Dosing pumps to operate in a duty/stand by arrangement. Flow detectors on the outlet of each pump provide fault detection. The switch over unit connects to each pump using ProMinent® standard control cable connections and receives an external 4-20mA control signal.

**Normal Operation**

During normal operation, both pump selector switches are placed in the AUTO position and either PUMP 1 or Pump 2 is selected on the duty selector. The selected duty pump will then operate until either a fault develops or the position of the selector switches changes.

**Fault Operation**

If a fault is detected in the operation of the duty pump, the operation will switch to the standby pump. The fault light on the display panel will illuminate and the retransmit fault signal will close.

**To Clear a Fault**

After rectifying the fault, the ALARM RESET button is pressed and the switch over unit will revert operation to the duty pump.

**Pump removal for service**

To remove a pump for service, first switch the required pump selector switch to OUT of SERVICE before removing the pump. When returning the pump to service, reconnect the pump then switch the duty selector to the AUTO position. Clear any fault indication on the pump and press the ALARM RESET switch on the switch over panel.



Part No.  
PA10002637

#### ProMinent Chloramination Dosing System Pump Automatic Change Over

For automatic control of chloramination. Has all the functions of PA1002637 above, however this is a 2 x 2 system system which controls 2 Chlorine pumps and 2 Amonia pumps. If both chlorine pumps fail then Amonia pumps are shut down.

Part No.  
PA10002692

