



| | 2 POIMP CONTROL | | | | | | |
|------------|-----------------|----------|---------------|------|------|--|--|
| | Signature | Date | PRO-991117A-0 | 0000 | Rev | | |
| Drawn By | JG | 11/23/99 | Ref ICS2 | | NC | | |
| Checked By | RF | 11/23/99 | SO# XXXX | Sh | eet | | |
| Cust | | _/_/_ | XXXX | 2 (| of 3 | | |

DISPLAY MODE

THE DISPLAY MODE IS ENTERED UPON POWER UP, OR BY PRESSING SWITCH (S02P), AND THE TANK LEVEL WILL BE DISPLAYED IN ENGINEERING UNITS. TO EXIT THE DISPLAY MODE ENTER THE SETPOINT OR CALIBRATION MODE.

SETPOINT MODE

THE SETPOINT MODE IS ENTERED BY PRESSING SWITCH (S02P) WITH DIGITAL INPUT (D7) CLOSED, TO MOVE THROUGH THE SETPOINT MODE USE SWITCH (S08P). TO ENTER A SETPOINT SELECT THE CORRECT POINTER LIGHT USING THE SELECT SWITCH (S08P) AND USE SWITCH (S00) TO INCREMENT OR DECREMENT THE DISPLAYED VALVE. USE SWITCH (S01P) TO SAVE THE DISPLAYED VALUE, A FLASHING SETPOINT LIGHT INDICATES AN UNSAVED VALUE WHILE A CONSTANT LIGHT DENOTES A SAVED VALUE.

| STEP | LIGHT | DISPLAY | DESCRIPTION |
|------|-------|----------|-----------------------------------|
| 01 | L11 | on 999.9 | PUMP 1 ON STPT (LEVEL) |
| 02 | L11 | oF 999.9 | PUMP 1 OFF STPT (LEVEL) |
| 03 | L13 | on 999.9 | PUMP 2 ON STPT (LEVEL) |
| 04 | L13 | oF 999.9 | PUMP 2 OFF STPT (LEVEL) |
| 05 | L18 | D 9999 | PUMP ON/OFF DELAY (SECONDS) |
| 06 | L20 | D 9999 | INPUT FILTER (SECONDS) |
| 07 | L51 | on 999.9 | HIGH ALARM ON STPT (LEVEL) |
| 08 | L51 | oF 999.9 | HIGH ALARM OFF STPT (LEVEL) |
| 09 | L53 | on 999.9 | LOW ALARM ON STPT (LEVEL) |
| 10 | L53 | oF 999.9 | LOW ALARM OFF STPT (LEVEL) |
| 11 | L32 | D 9999 | PUMP 1 FEEDBACK DELAY (SECONDS) |
| 12 | L34 | D 9999 | PUMP 2 FEEDBACK DELAY (SECONDS) |
| 13 | L60 | 999999 | 0% D/A ANALOG OUTPUT (650) |
| 14 | L62 | 999999 | 100% D/A ANALOG OUTPUT (3280) |
| 15 | L14 | 999999 | CURRENT TIME (HR:MIN:SEC) |
| 16 | L15 | 999999 | CURRENT DATE(MO/DAY/YR) |

ALARMS

ALARMS ARE CONTROLLED BY THE ENTERED SETPOINTS. WHEN THE SETPOINTS ARE EXCEEDED, THE ALARM WILL LIGHT. THE RELAY WILL DE-ENERGIZE WHEN THE CONDITION CLEARS BUT WILL ALLOW THE LIGHT TO STAY ON UNTIL THE ALARM RESETS (S57P) IS PRESSED WHICH WILL TURN OFF THE ALARM LIGHT IF THE CONDITION IS CLEARED.

CONTROL

THE HAND/OFF/AUTO SWITCHES (S39 - S41) ARE USED TO TURN THE PUMPS ON AND OFF, OR SELECT AUTOMATIC CONTROL OF EACH PUMP. THE STATUS LIGHTS (L18 - L20) WILL TURN ON WHENEVER A PUMP IS BEING CALLED FOR. ONLY THE AVAILABLE PUMPS IN (AUTO) WILL BE ROTATED. LIGHTS (L32 - L34) ARE USED AS PUMP FAIL STATUS LEDS.

CALIBRATION

TO ENTER THE CALIBRATION MODE FOR CALIBRATING THE INCOMING ANALOG SIGNAL TO ENGINEERING DISPLAY UNITS (FEET), PRESS THE CALIBRATION MODE SELECT SWITCH (S02P).

TO CALIBRATE:

- 1> USE THE SELECT SWITCH (S08P) TO SELECT THE 0% LIGHT (L60)
- 2> APPLY 0% ANALOG SIGNAL TO ANALOG INPUT.
- 3> USE THE INC/DEC SWITCH TO SET THE DISPLAY FOR DESIRED 0% UNITS.
- 4> PRESS THE ENTER SWITCH TO SAVE THE 0% CALIBRATION
- 5> USE THE SELECT SWITCH TO SELECT THE 100% LIGHT (L62).
- 6> APPLY 100% ANALOG SIGNAL TO ANALOG INPUT.
- 7> USE THE INC/DEC SWITCH TO SET THE DISPLAY FOR DESIRED 100% UNITS.
- 8> PRESS THE ENTER SWITCH TO SAVE THE 100% CALIBRATION
- 9> CALIBRATION COMPLETE, PRESS (S02P) TO RETURN TO NORMAL MODE.

| | | | | | AGM Electronics, Inc. |
|---------------|-----------|----------|----------------|----------------------|-----------------------|
| | Signature | Date | PRO-991117A-00 | 000 Rev | Tucson,Arizona |
| Drawn By | JG | 11/23/99 | Ref ICS2 | NC | Front Panel Notes |
| Checked By | RF | 11/23/99 | SO# XXXX | Sheet | 2 PUMP CONTROL |
| Cust Approval | | // | XXXX | <u>3</u> of <u>3</u> | |