

# 1. CHANGING MAIN BOARD SWITCH SETTINGS

A single bank of switches is located on the main circuit board near to the large cylindrical capacitor. This bank contains 8 switches, labelled 1 to 8 on the body.

One side of the switch block is marked OPEN, when this side of the white rocker is down the switch is open, when it is up the switch is closed.

## 1.1 SWITCH DESIGNATIONS

| <b>Main Circuit Board Switch Designations</b> |                                    |                                     |
|---|------------------------------------|-------------------------------------|
| <b>Switch Position</b>                        | <b>CLOSED</b>                      | <b>OPEN</b>                         |
| <b>1</b>                                      | Fixed Channel Mode                 | Custom Channel Mode                 |
| <b>2</b>                                      | Computer Port = RS485              | Computer Port = RS422               |
| <b>3</b>                                      | Computer Protocol = Bi-Directional | Computer Protocol = Uni-Directional |
| <b>4</b>                                      | Multi-Point Calibration            | Normal Calibration                  |
| <b>5</b>                                      | Not Used                           |                                     |
| <b>6</b>                                      | Not Used                           |                                     |
| <b>7</b>                                      | Not Used                           |                                     |
| <b>8</b>                                      | Not Used                           |                                     |

## 1.2 CHANGING UPPER BOARD SWITCH SETTINGS

Two banks of switches are used each with 8 positions. Both are mounted on the upper (smaller) circuit board and are easily identified as rectangular red blocks with 8 white switches. The switch block nearest to the cable entry and fuses is switch block 2, the other of course being switch block 1. On each switch block the individual switches are number 1 to 8.

One side of the switch block is marked OPEN, when this side of the white rocker is down the switch is open, when it is up the switch is closed. It may be necessary to use open or similar pointed instrument to operate the rocker.

### 1.3 SWITCH DESIGNATION

| <b>Decimal Point/Line Number/ Lacquer Number/Print Header</b> |                                |                             |
|---|--------------------------------|-----------------------------|
| <b>SWITCH POSITION</b>  | <b>OPEN</b>                    | <b>CLOSED</b>               |
| S1:1  | 1 decimal place displayed      | 2 decimal places displayed  |
| S1:2  | Line number not prompted for   | Line number prompted for.   |
| S1:3  | Lacquer number not transmitted | Lacquer number transmitted. |
| S1:4  | Printed Header Vewrtical       | Printer Header Horizontal   |

| <b>Number of Print Rows</b> |             |             |
|-----------------------------|-------------|-------------|
| <b>S1:5</b>                 | <b>S1:6</b> | <b>ROWS</b> |
| OPEN                        | OPEN        | 1           |
| OPEN                        | CLOSED      | 2           |
| CLOSED                      | OPEN        | 3           |
| CLOSED                      | CLOSED      | 4           |

| <b>Enable Printout and define Baud Rate</b> |             |                 |
|---|-------------|-----------------|
| <b>S1:7</b>                                 | <b>S1:8</b> | <b>FUNCTION</b> |
| OPEN  | OPEN        | PRINTER OFF     |
| OPEN  | CLOSED      | 9600 BAUD       |
| CLOSED                                      | OPEN        | 1200 BAUD       |
| CLOSED                                      | CLOSED      | 300 BAUD        |

SWITCH BANK 2

| <b>Computer Output Enable</b> |                        |                       |
|-------------------------------|------------------------|-----------------------|
| <b>SWITCH POSITION</b>        | <b>OPEN</b>            | <b>CLOSED</b>         |
| S2:1                          | Computer Output Off    | Computer Output On    |
| s2:2                          | Software Handshake Off | Software Handshake On |

| <b>Computer Transmission Data Format</b> |             |             |   |
|--|-------------|-------------|---|
| <b>S2:3</b>                              | <b>S2:4</b> | <b>S2:5</b> | <b>FORMAT</b>                           |
| OPEN                                     | OPEN        | OPEN        | 7 data bits - Even Parity - 2 Stop Bits |
| OPEN                                     | OPEN        | CLOSED      | 7 data bits - Odd Parity - 2 Stop Bits  |
| OPEN                                     | CLOSED      | OPEN        | 7 data bits - Even Parity - 1 Stop Bits |
| OPEN                                     | CLOSED      | CLOSED      | 7 data bits - odd Parity - 1 Stop Bits  |
| CLOSED                                   | OPEN        | OPEN        | 8 data bits - No Parity - 2 Stop Bits   |
| CLOSED                                   | OPEN        | CLOSED      | 8 data bits - No Parity - 1 Stop Bits   |
| CLOSED                                   | CLOSED      | OPEN        | 8 data bits - Even parity - 1 Stop Bits |
| CLOSED                                   | CLOSED      | CLOSED      | 8 data bits - Odd Parity - 1 Stop Bits  |

| <b>Computer Transmission Baud Rate</b> |             |             |                  |
|--|-------------|-------------|------------------|
| <b>S2:6</b>                            | <b>S2:7</b> | <b>S2:8</b> | <b>BAUD RATE</b> |
| OPEN                                   | OPEN        | OPEN        | 76800*           |
| CLOSED                                 | OPEN        | OPEN        | 38400            |
| OPEN                                   | CLOSED      | OPEN        | 19200            |
| CLOSED                                 | CLOSED      | OPEN        | 9600             |
| OPEN                                   | OPEN        | CLOSED      | 4800             |
| CLOSED                                 | OPEN        | CLOSED      | 2400             |
| OPEN                                   | CLOSED      | CLOSED      | 1200             |
| CLOSED                                 | CLOSED      | CLOSED      | 300              |

**\*NOTE: Sencon do not guarantee operation at this speed.**