



## PRESSURE SENSOR CALIBRATION AFTER REPLACEMENT

After replacing the pressure sensor, the pressure readout accuracy can be affected. If the system needs to have a higher accuracy, a calibration is necessary.

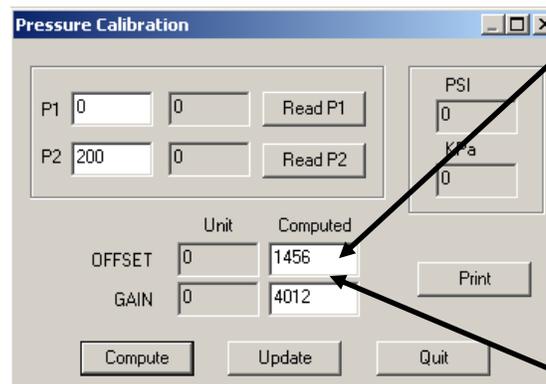
This procedure is for a factory pre-calibrated pressure transducer. The transducer has a yellow tag attached to it with the gain and offset value which you will need to complete the procedure described below.

### Procedure : Calibration with a pre-calibrated pressure sensor.

Verify that a small sticker with offset and gain value is present on the pressure sensor

To do the calibration, the following steps must be followed:

- 1) Bring Cut-out and Cut-in pressures down to 0 (zero). This will avoid nuisance starting of the fire pump during calibration. Make a note of what these settings so they can be re-set once calibration is finished.
  - 2) Cut the power
  - 3) Replace transducer. New transducer must be completely connected to the main electronic board and piped into the bulkhead in the bottom of the controller.
  - 4) Unplug the flat cable from the main board (J13)
  - 5) Connect the Tornatech cable into J13
  - 6) With a pen, move the dipswitch S2-7 (serial) from left to right
  - 7) Put the power on
  - 8) With the laptop, run the software (double click on PressCalib.exe)
  - 9) A window should appear on the laptop screen. If the message "communication error" appears, verify the power availability, that the connection between laptop and J13" is correct, that the dipswitch (S2-7) is to the right. If the message still appears, press the tiny S1 push button (on the top left of the board)
- 1) Type the offset value (marked on the pressure sensor) in the offset white box,



- 2) Type the gain value (marked on the pressure sensor) in the gain white box,
- 3) Click UPDATE.
- 4) The calibration is done.
- 5) Cut the power



- 6) Disconnect the flat cable from the laptop and reconnect the flat cable from the door panel
- 7) Move the Dipswitch (S2-7) to the left
- 8) Put the power on
- 9) Verify the pressure readout on the front screen
- 10) Reset the Cut-out and Cut-in pressures. Note: Set the Cut-out setting before the Cut-in setting