

4.1 Area Display Module Adjustment

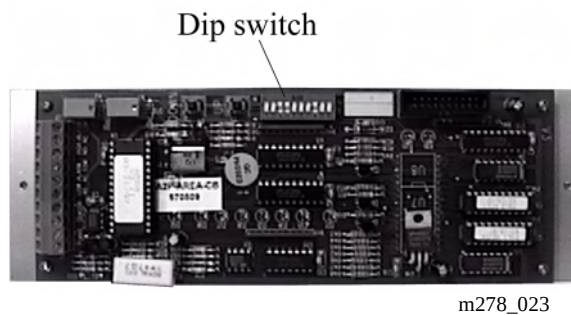
Tools required: None

Pressure Only

Pressure Alarm Set Point Adjustment

A dip switch is located on the back of each Area Display Module. The dip switch contains ten switch settings (see figure 4-1 on page 4-4).

Figure 4-1. Area Display Dip Switch Location



The factory settings are shown in table 4-1 on page 4-4.

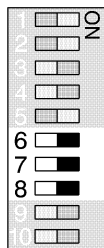
Table 4-1. High and Low Pressures Set at the factory

Area Display Module Type	High	Low
Low Pressure	60 psi	40 psi
High Pressure	195 psi	140 psi

NOTE:

During programming, the Trend Bar flashes.

1. Set switches 6, 7, and 8 to the ON position (see figure 4-2 on page 4-5).

Figure 4-2. Dip Switch Positioning

m278_039

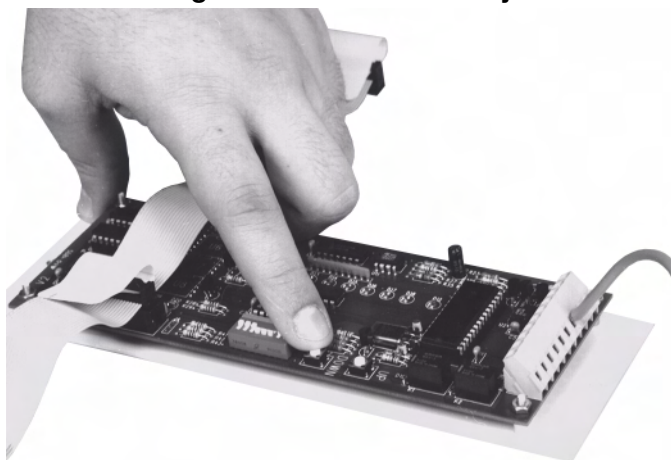
NOTE:

ON position is to the right; OFF position is to the left.

NOTE:

The LED displays **HI-**, followed by the current set point, indicating that the system is ready to accept a new High set point.

- Adjust the set point, using the Up and Down push buttons, to the desired value (see figure 4-3 on page 4-5).

Figure 4-3. Set Point Adjustment

m278_024

- Set switch 7 to the OFF position.

NOTE:

The LED will display **LO-**, followed by the current set point indicating the system is ready to accept a new Low set point.

4. Adjust the set point, using the Up and Down push buttons, to the desired value.
5. Set switch 8 to the OFF position.

NOTE:

The LED displays **I-I-**, followed by the current set point, indicating the system is ready to accept a new Repeat time set point.

6. Adjust the reset point using the Up and Down push buttons, to the desired value.

NOTE:

The display range is from 1 to 99 min.

NOTE:

If the LED displays **dd** the display is disabled.

7. Set switch 6 to the OFF position.

NOTE:

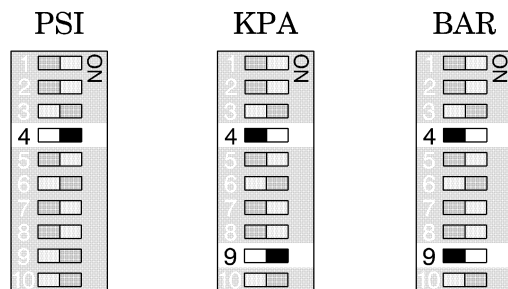
When you have completed step 7, the Area Display Module automatically goes into a Reset mode. This stores the data that you entered.

PSI/KPA/BAR Selection

The factory setting is PSI.

1. To change back to PSI mode from another mode, set switch 4 to the ON position (see figure 4-4 on page 4-6). The LED PSI indicator located next to the Gas pressure reading illuminates.

Figure 4-4. PSI/KPA/BAR Selection



m278_025

2. To change to KPA mode, set switch 4 to the OFF position and switch 9 to the ON position. The LED KPA indicator located next to the Gas pressure reading illuminates.
3. To change to BAR, set switch 4 to the OFF position and switch 9 to the OFF position. The LED KPA indicator located next to the Gas pressure reading illuminates. (There is no separate indicator for BAR.)

Vacuum Only

Vacuum Alarm Set Point Adjustment

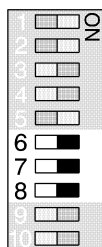
The factory setting is High = 30"Hg and Low = 12"Hg.

NOTE:

During programming the Trend Bar will flashes.

1. Set switches 6, 7 and 8 to the ON position (see figure 4-5 on page 4-7).

Figure 4-5. Vacuum Set Point Adjustment



m278_040

NOTE:

The LED displays **HI-**, followed by the current set point, indicating that the system is ready to accept a new High set point.

2. Do not adjust this set point since the High set point is not used for vacuum.
3. Set switch 7 to the OFF position.

NOTE:

The LED displays **LO-**, followed by the current set point, indicating that the system is ready to accept a new Low set point.

4. Adjust the set point, using the Up and Down push buttons, to the desired value.

5. Set switch 8 to the OFF position.

NOTE:

The LED displays **I-I-**, followed by the current set point. Indicating that the system is ready to accept a new Repeat time set point.

6. Adjust the set point using the Up and Down push buttons, to the desired value.

NOTE:

The display range is from 1 to 99 min.

NOTE:

If the LED displays **dd** the display is disabled.

7. Set switch 6 to the OFF position.

NOTE:

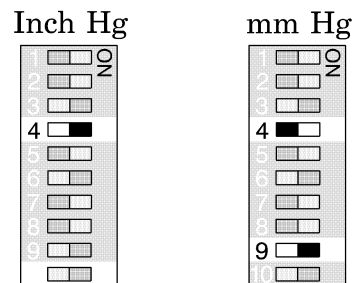
When you have completed step 7, the Area Display Module automatically goes into a Reset mode. This stores the data that you entered.

InchHg/mmHg Selections

The factory setting is InchHg.

1. To change to InchHg mode from another mode, set switch 4 to the ON position (see figure 4-6 on page 4-8). The LED indicating InHg, located next to the Vacuum source reading illuminates.

Figure 4-6. InchHG/mm HG Selection



m278_032

- To change to mmHg mode, set switch 4 to the OFF position and switch 9 to the ON position. The LED indicating mmHg, located next to the Vacuum source reading illuminates.

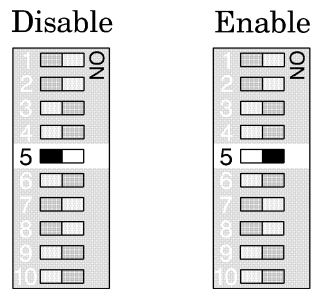
Common Settings for Pressure and Vacuum

Repeat Alarm Enable/Disable

The factory is Disabled.

- To disable the Repeat Alarm, set switch 5 to the OFF position (see figure 4-7 on page 4-9).

Figure 4-7. Repeat Alarm Disable/Enable



m278_033



CAUTION:

When the repeat alarm function is disabled, the alarm does not repeat.

- To enable the Repeat Alarm, set switch 5 to the ON position. The factory setting is 30 min. However, you may select from 1 to 99 min.

NOTE:

The Area Display Module with the shortest Repeat Time interval setting is the one that controls the Repeat Time. For example, if one Area Display Module Repeat Alarm is set for 5 min and one for 30 min, and both are enabled, the Alarm repeats every 5 min.

Factory Settings

The factory setting for the Area Display Modules are shown in table 4-2 on page 4-10.

Table 4-2. Settings for the Area Display Modules

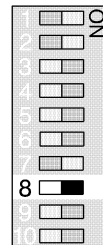
Area Display Module type	High	Low
Low Pressure	60 psi	40 psi
High Pressure	195 psi	140psi
Vacuum	30 InHg	12 InHg

The factory setting for Repeat Alarm Interval is Disabled. When enabled the automatic setting is for 30 min. However, you may select from 1 to 99 min.

The factory setting for **Units** is psi for Pressure and InHg for Vacuum.

1. To quickly reset any Area Display Module (Pressure or Vacuum) back to its factory settings, perform the following:
 - a. Set switch 8 to the ON position (see figure 4-8 on page 4-10).

Figure 4-8. Factory Setting



m278_035

- b. Turn the power off and then back on.
 - c. Set switch 8 to the OFF position.
2. The Area Display Module is now in Default Mode.

Setting Gas Identification Switches

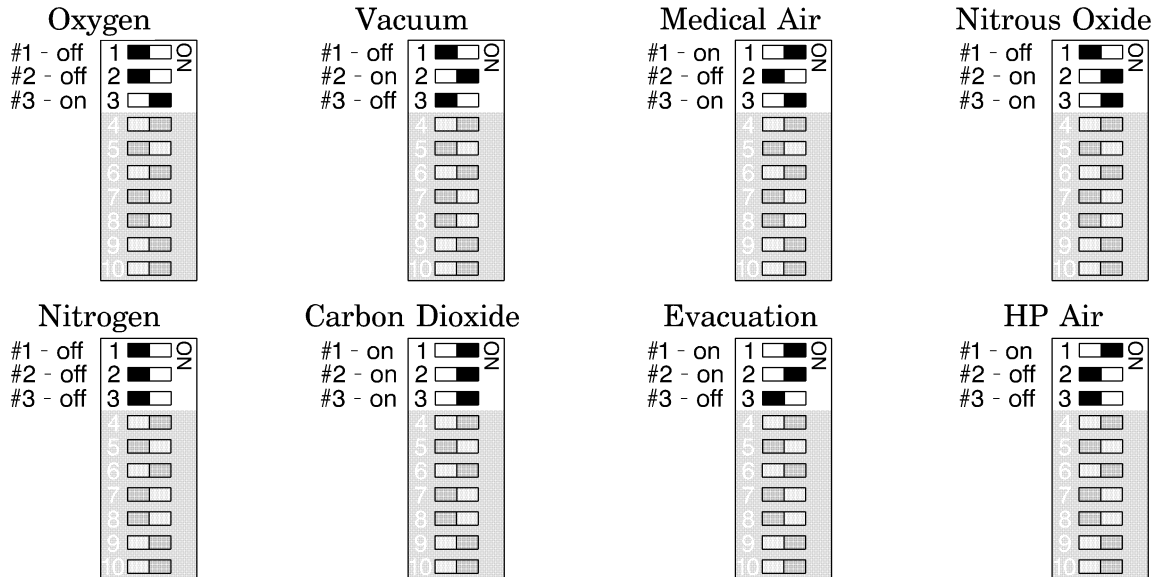


WARNING:

Do Not tamper with switches 1, 2 or 3 on the dip switch. These switches are used to identify the specific gas monitored by the Area Display Module. These switches are set at the factory and should not be adjusted in the field. Tampering with these positions results in an error message being displayed (E02) and disables the electrical interlock from the gas-specific sensor.

Only properly trained personnel should change these switches (see figure 4-9 on page 4-11), when circuit boards have to be changed in the field.

Figure 4-9. Gas-Specific Settings of Dip Switches



m278_036