



**PT ETI FIRE SYSTEMS**  
Jl Magelang – Kopeng, KM 11  
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Central Java - Indonesia.

**TECHNICAL BULLETIN**  
**ISSUED : 9 Mar 006**  
**DOCUMENT : TB 003**  
**PRESSURE SWITCHES**

### ***TECHNICAL BULLETIN TB 003***

#### ***PARTS APALASSY2 BAR APLPASSY9BAR***

##### **COMMENT**

Two pressure switches are used in the ETI fire system. A 2 bar switch is used to notify the fire alarm. If a detector actuates or a remote actuator is used, the rise in pressure is detected by the 2 bar switch. The open circuit resulting trips the fire alarm. This switch is located at the actuation circuit manifold.

A low pressure switch set at 9 bar is also part of the of the low pressure alarm kit. This is optionally used to actuate the cylinder low pressure function of the fire alarm in the event the pressure in the main foam cylinder becomes significantly under pressure. This switch is located at the spare 1/8" BSP port at the base of the main cylinder valve. This port is supplied plugged off with a brass plug in case the low pressure option is not used.

Also, it is ETI's philosophy to exceed competitor practices where possible. Currently competitors simply buy these parts from various suppliers and wire them up on the job. This wiring is subject to water, oil, dust and vibration. ETI has developed a superior connection arrangement that will be pre-wired ex our factory to save time at site installations. A standard two pole connector is supplied which is housed in a PVC housing which is rated with an IP65 seal on the alarm cable and the insulator on the wiring from the alarm switch. A red cuff identifies the 2 bar alarm switch and a blue cuff identifies the 9 bar low pressure switch. These will be supplied in each respective kit with 8 metres of 2 core fire rated silicon cable. This cable matches the fire alarm panel which is also IP65 and had mating entry glands for the cable to maintain this rating.



Photograph shows the 2 bar and 9 bar switches

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