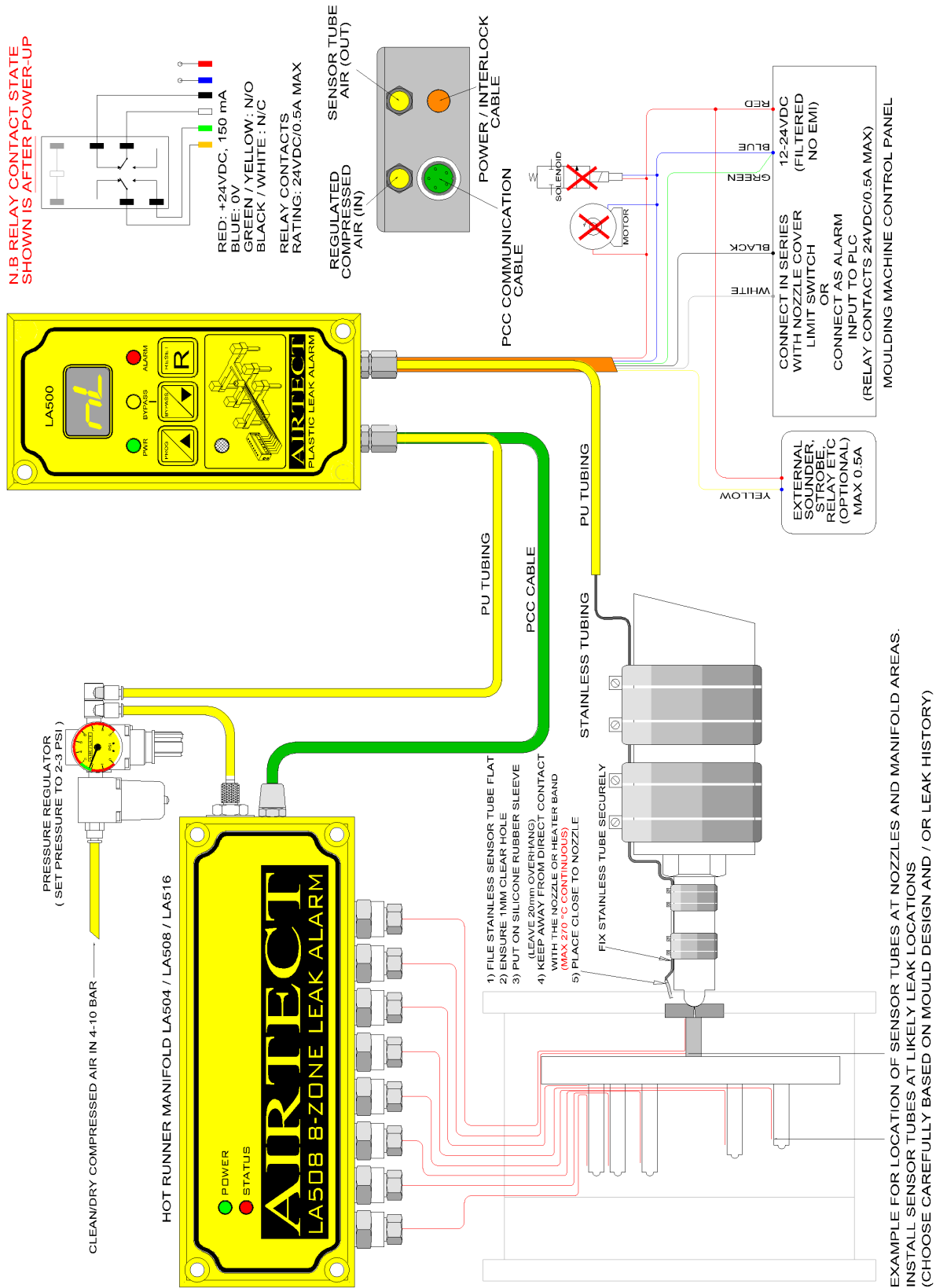


## LA500 Example



Find more references and technical data on our online catalogue:  
[www.bmsfrance.eu](http://www.bmsfrance.eu)

Find illustrative videos on our Youtube channel

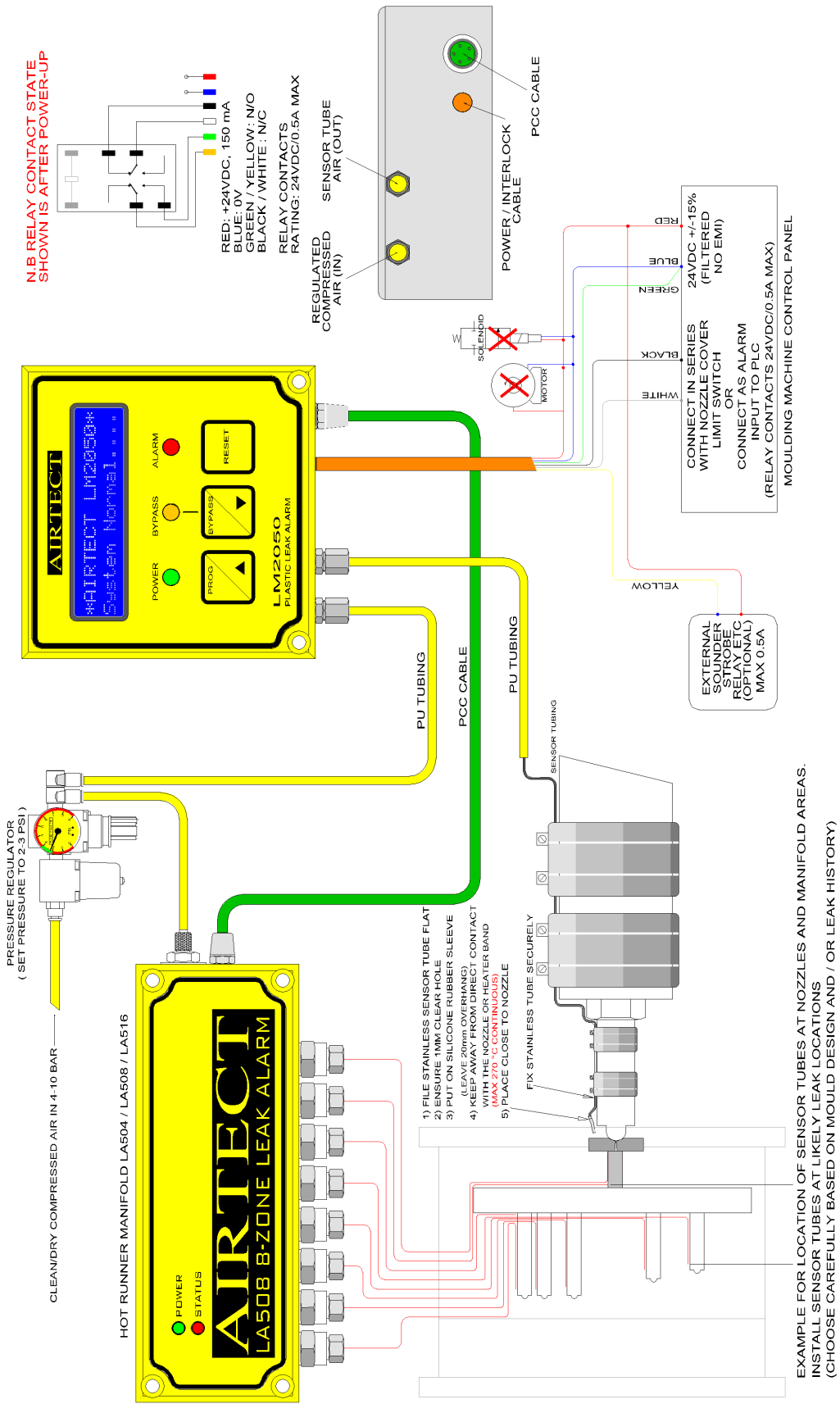
53, route des Contamines  
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LM2050 Example



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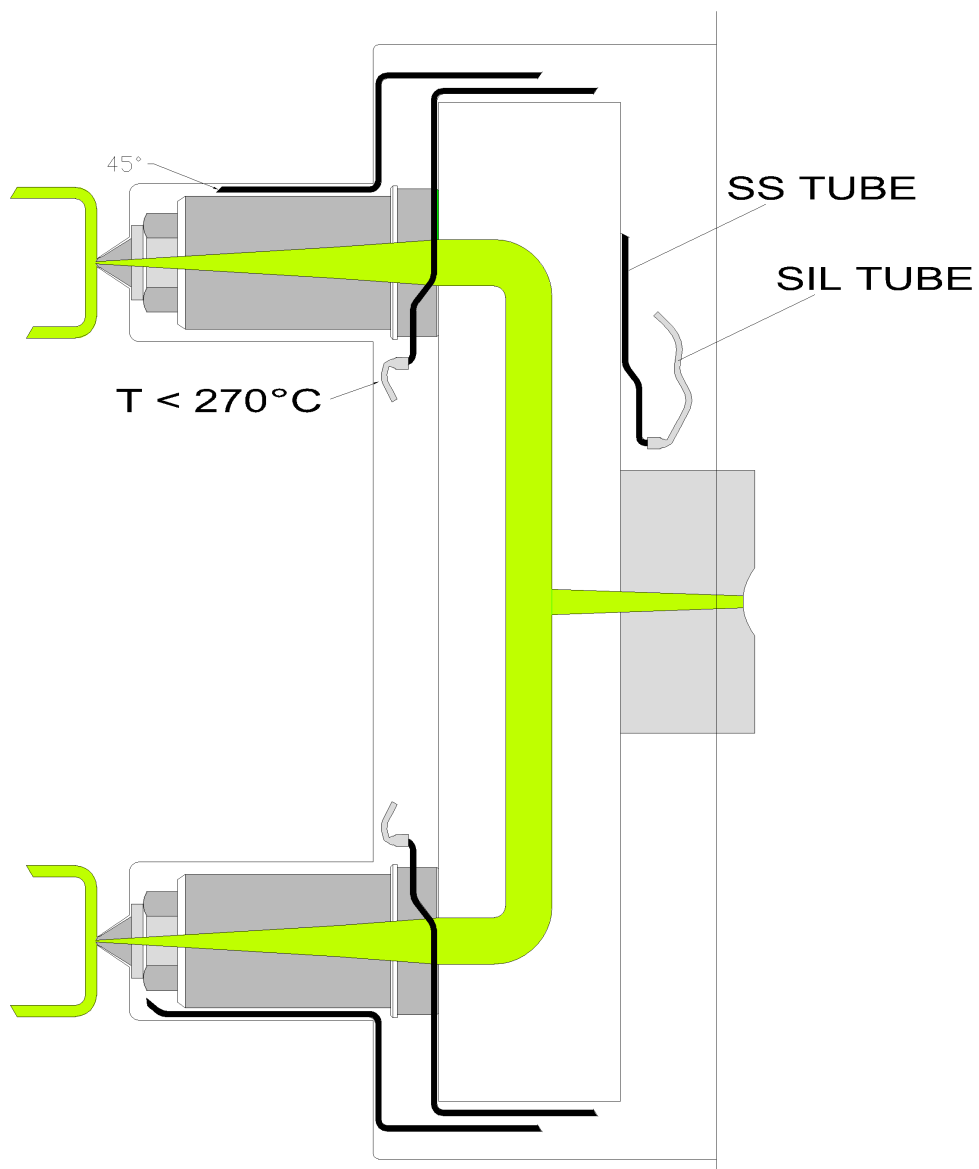
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**LA500 - LA504 / LA508 / LA516 INSTALLATION GUIDE TO HOT NOZZLES AND HOT CHANNELS**

**EXAMPLE FOR LOCATION OF SENSOR TUBES AT NOZZLES AND MANIFOLD AREAS**

Install sensor tubes at likely leak locations  
(choose carefully based on mould design and / or leak history)

**DO NOT LIE SENSOR TUBES ENDS FLAT ON MANIFOLD!**  
**OFFSET THE ENDS FOR 25mm, THEN TURN PU AND ADD A 30mm SILICONE RUBBER TAIL.**



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## IMPORTANT INSTALLATION / OPERATION NOTE

- 1) DC Power Source must be interference free i.e no EMI or Switching Valves, Servo Motors etc. Use separate Power Supply or Power Supply from the Machine PLC.
- 2) The Internal Interlock Relay Contacts have a capacity to swich loads of 24Vdc with a maximum current of 0.5A.
- 3) Ensure neat workmanship and run the wiring and PU tubing with in the machine enclosure if possible. Do not overtighten pneumatic connections.
- 4) Ensure that both ends of all Sensor Tubes are cut neatly and filed and cleared of any debris so as to provide a clear air passge and clear inner Sensor Tube diameter of 1-1.2 mm.
- 5) When using expansion Manifolds (LA508 etc) ensure the LA500 has been programmed to accept the Manifold/s and that it/they are connected, otherwise a communication alarm will be displayed and vice versa if the LA500 has not been programmed and a manifold ic connected, a communication alarm will be displayed.
- 6) **ELECTRICAL POWER SHOULD ONLY BE SWITCHED ON AFTER THE SENSOR TUBE INSTALLATION IS COMPLETE AND THE AIR SUPPLY IS ENREGISED TO ALLOW THE 'SELF TEACHING' FUNCTION TO WORK.**  
When using LA504-M, LA508-m or LA516-M Modular Systems, the manifolds should be mounted on the Manifold Base before applying Electrical Power as all mould leak sensor installation will be somewhat different.




## MANIFOLD LED INDICATIONS (FOR MANIFOLDS USING THE PROGRAMMABLE CONTROLLER)

-  POWER LED SHOULD BE CONTINUOUSLY LIT (NORMAL)
-  STATUS LED SHOULD FLASK EVERY 3-4 SECONDS (NORMAL)
-  STATUS LED WILL FLASH QUICKLY FOR COMMUNICATION 'DATA ERROR' WARNING
-  STATUS LED WILL FLASH RED / GREEN QUICKLY FOR 'INTERNAL SENSOR ERROR' WARNING

**CORRECT INSTALLATION WILL MAKE A VERY RELIABLE LEAK DETECTION SYSTEM!**

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