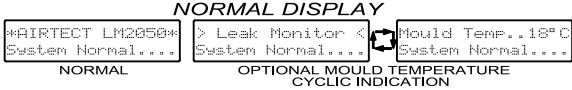
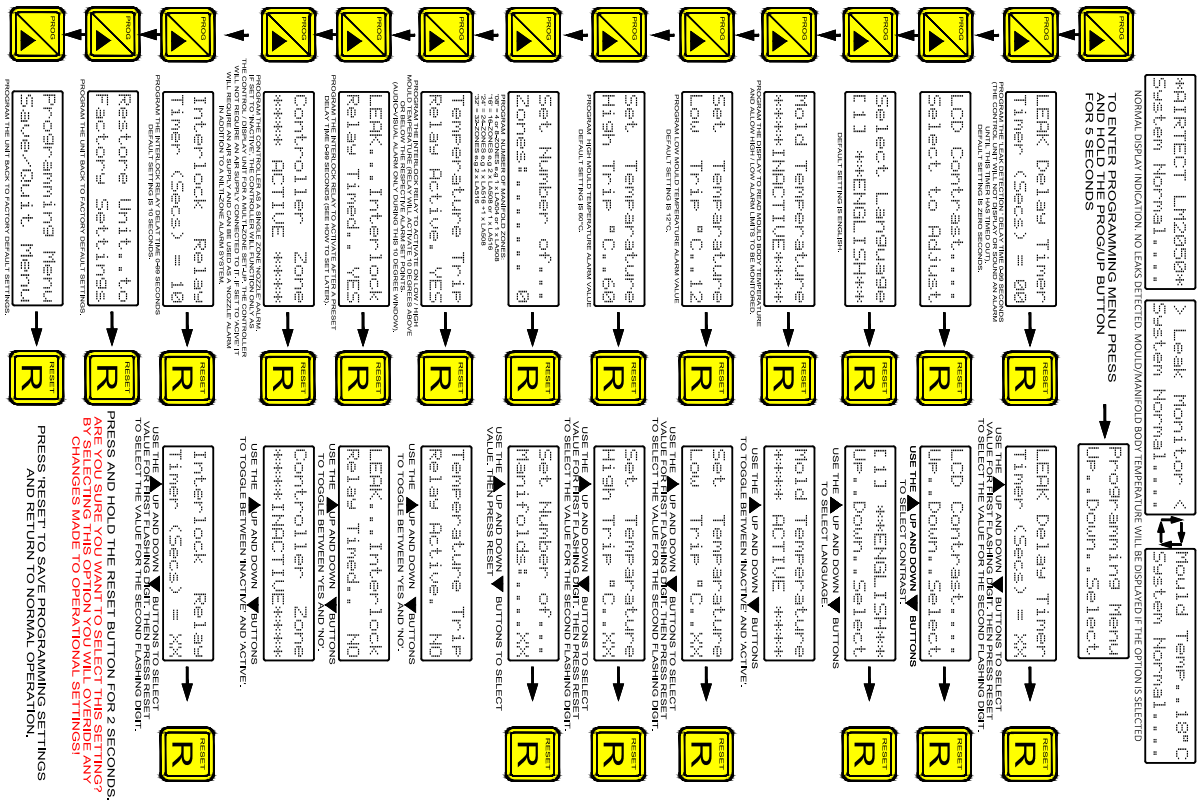
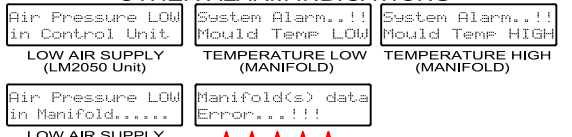
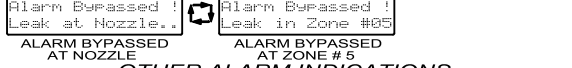


PROGRAMMING LM2050



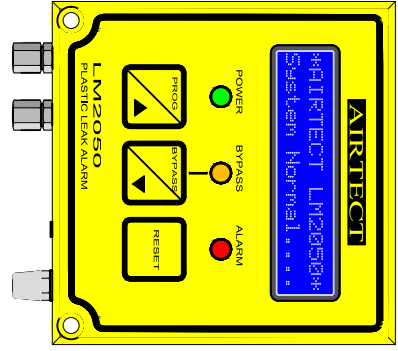
INITIAL ACTION
PRESS RESET BUTTON TO ACCEPT ALARM. SOUNDER WILL CEASE, RED LED CONTINUES TO FLASH, DISPLAY CYCLES THROUGH LEAK ALARM LOCATIONS. NB IF THE SOUNDER CEASES, THE RED LED CEASES TO FLASH AND THE DISPLAY RETURNS TO NORMAL AFTER PRESSING THE RESET BUTTON, THEN THE ALARM WAS MOMENTARY AND IS NOW NOT PRESENT.
IF THE LEAK IS NOT SERIOUS, THEN THE BYPASS FUNCTION MAY BE SELECTED

BYPASS ALARM
AFTER PRESSING THE RESET BUTTON, PRESS THE BYPASS BUTTON FOR 5 SECONDS UNTIL THE YELLOW LED FLASHES. THIS WILL DE-ENERGISE THE INTERLOCK RELAY AND ALLOW OPERATION TO CONTINUE UNDER SUPERVISED CONDITIONS UNTIL THE LEAK HAS BEEN CLEARED.



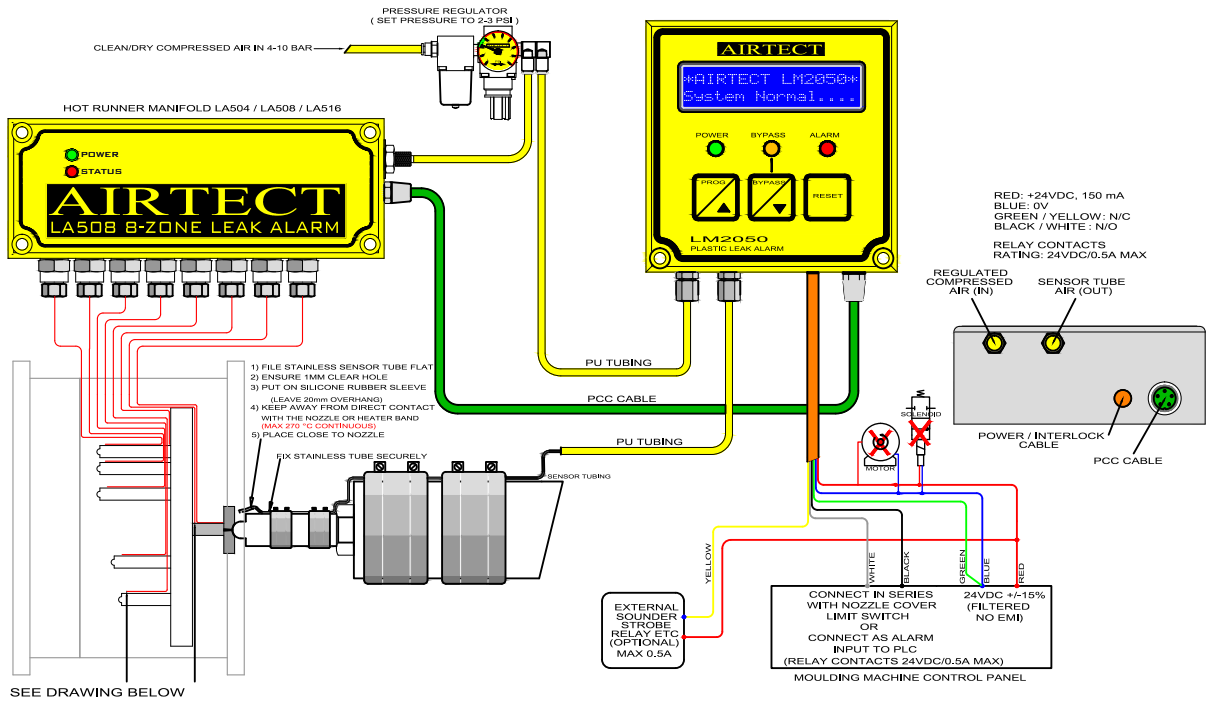
↑↑↑↑↑
THIS DISPLAY RELATES TO COMMUNICATION ALARMS WHEN THE LM2050 IS CONNECTED TO A MULTI-ZONE MANIFOLD AND 'Set number of Manifolds' HAS NOT BEEN PROGRAMMED CORRECTLY. (SEE PROGRAMMING INSTRUCTIONS)
THESE ALARMS WILL ALSO BE DISPLAYED IF A MANIFOLD IS DISCONNECTED OR THE PCC CABLE IS BROKEN OR DAMAGED.

AIRTECT Plastic Leak Alarm System

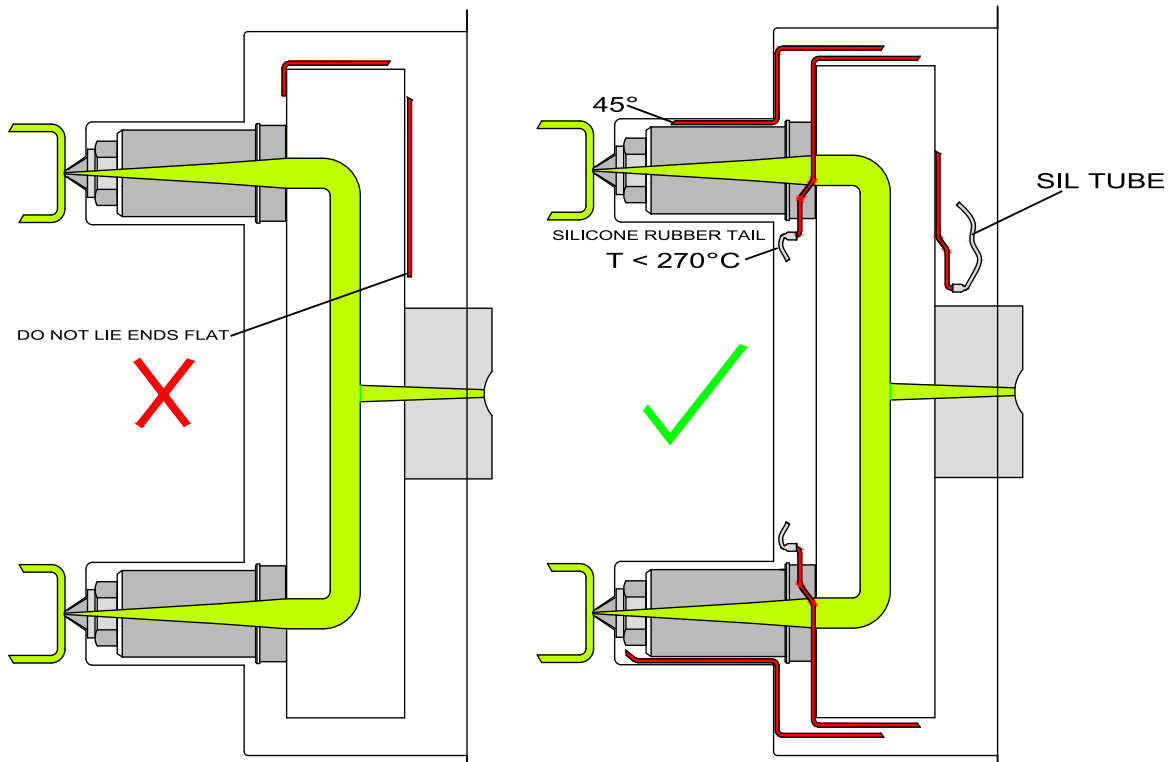


- IMPORTANT INSTALLATION/OPERATION NOTES:**
- 1) DC Power Source must be interference free i.e. no EMI or Switching Valves, Servo Motors etc. Use separate Power Supply or Power Supply from the Machine PLC.
 - 2) The internal Interlock Relay Contacts have a capacity to switch loads of 24Vdc with a maximum current of 0.5A.
 - 3) Ensure neat workmanship and run the wiring and PU tubing within the machine enclosure if possible. Do not over-tighten pneumatic connections.
 - 4) Ensure that both ends of all Sensor Tubes are cut neatly and filed and cleared of any debris so as to ensure a good seal. The sensor tube has a diameter of 1.1-1.2mm.
 - 5) When using expansion Manifolds (LA508 etc) ensure the LM2050 has been programmed to accept the manifolds and that it/they are connected, otherwise a communication alarm will be displayed and vice versa if the LM2050 has not been programmed and a manifold is connected, a communication alarm will be displayed.
 - 6) ELECTRICAL POWER SHOULD ONLY BE SWITCHED ON AFTER THE SENSOR TUBE INSTALLATION IS COMPLETE AND THE MANIFOLD IS CONNECTED TO THE LM2050. When using LA504-M, LA508-M or LA515-M Modular Systems, the Manifolds should be mounted on the Manifold Base before applying Electrical Power as all mould leak sensor installations will be somewhat different.
- MANIFOLD LED INDICATIONS:**
- POWER LED SHOULD BE CONTINUOUSLY ON (NORMAL)
 - STATUS LED SHOULD 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!
INFO@AIRTECT.COM WWW.AIRTECT.COM

LM2050 Installation Guide
V3.0119



AIRTECT LM2050 - LA504 / LA508 / LA516 NOZZLE AND HOT RUNNER INSTALLATION GUIDE



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 FLAT ON MANIFOLD BUT TURN THE END UP FOR 10mm. USE SILICONE RUBBER TAILS IN AREAS <270°C AROUND HOT HOT RUNNER MANIFOLD.