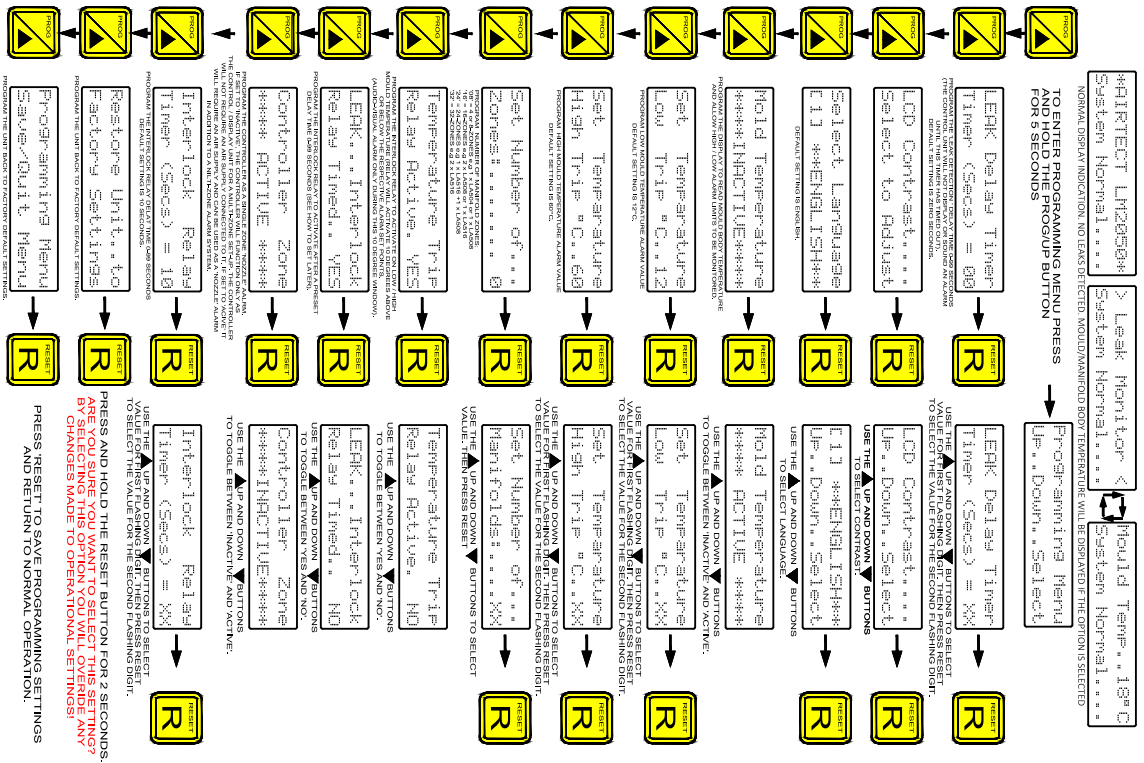


PROGRAMMING LM2050



NORMAL DISPLAY

#AIRTECT LM2050# > Leak Monitor < Mould Temp. 18°C
System Normal... System Normal...

OPTIONAL MOULD TEMPERATURE CYCLIC INDICATION

ALARM DISPLAY

LEAK DETECTED, BUZZER SOUNDS, RED LED FLASHES, INTERLOCK RELAY WILL OPERATE AFTER PRESET DELAY TIME, DISPLAY CYCLES THROUGH LEAK ALARM CONDITIONS

System Alarm...! System Alarm...!
Leak at Nozzle.. Leak in Zone #05

LEAK AT NOZZLE LEAK AT ZONE # 5 (if MANIFOLD connected)

INITIAL ACTION

PRESS RESET BUTTON TO ACCEPT ALARM, SOUNDER WILL CEASE, RED LED CONTINUES TO FLASH, DISPLAY CYCLES THROUGH LEAK ALARM LOCATIONS. **N.B 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.

Alarm Bypassed ! Alarm Bypassed !
Leak at Nozzle.. Leak in Zone #05

ALARM BYPASSED AT NOZZLE ALARM BYPASSED AT ZONE #5

OTHER ALARM INDICATIONS

Air Pressure Low in Control Unit System Alarm...! Mould Temp LOW
LOW AIR SUPPLY (LM2050 Unit) TEMPERATURE LOW (MANIFOLD) TEMPERATURE HIGH (MANIFOLD)

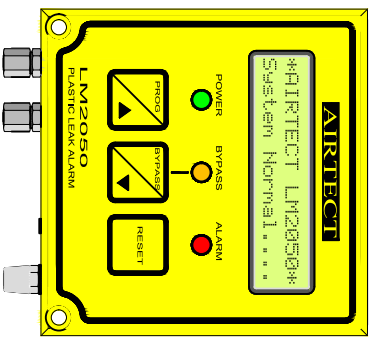
Air Pressure LOW in Manifold..... Manifold(s) data Error...!!!

LOW AIR SUPPLY (Manifold Unit)

THIS DISPLAY RELATES TO COMMUNICATION ALARMS WHEN THE LM2050 IS CONNECTED TO A MULTI-ZONE MANIFOLD/S 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

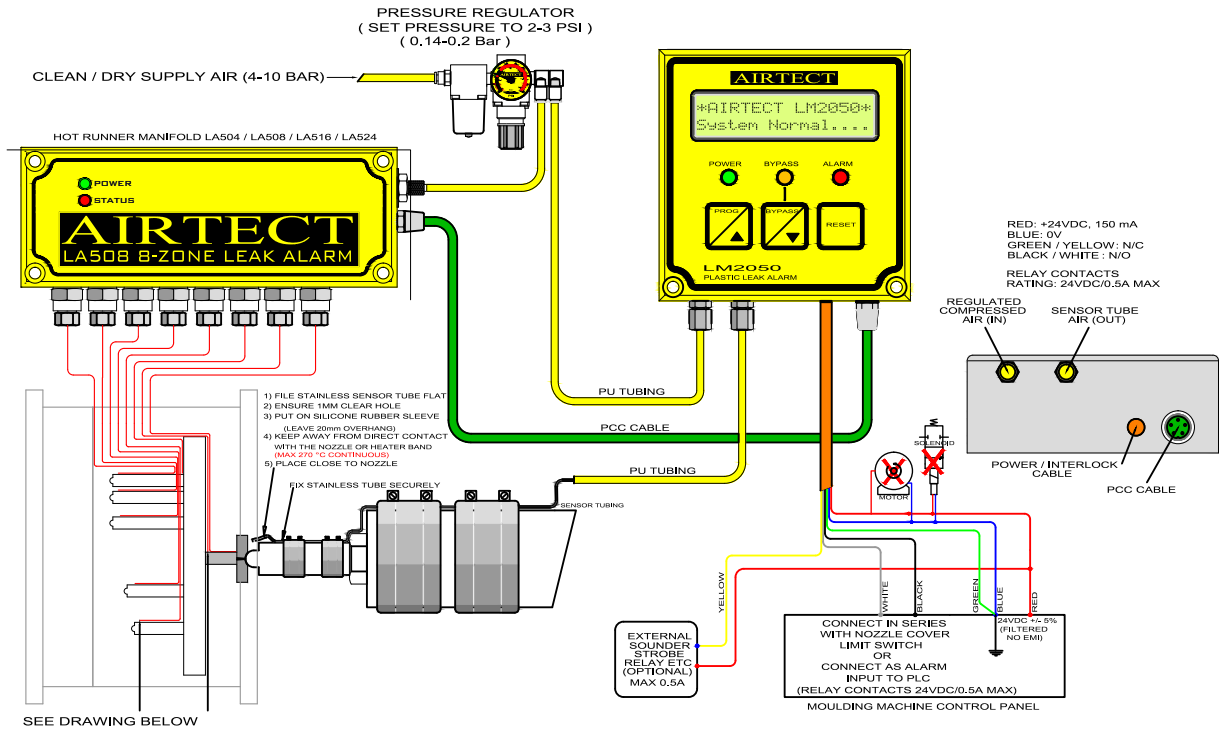
Plastic Leak Alarm System



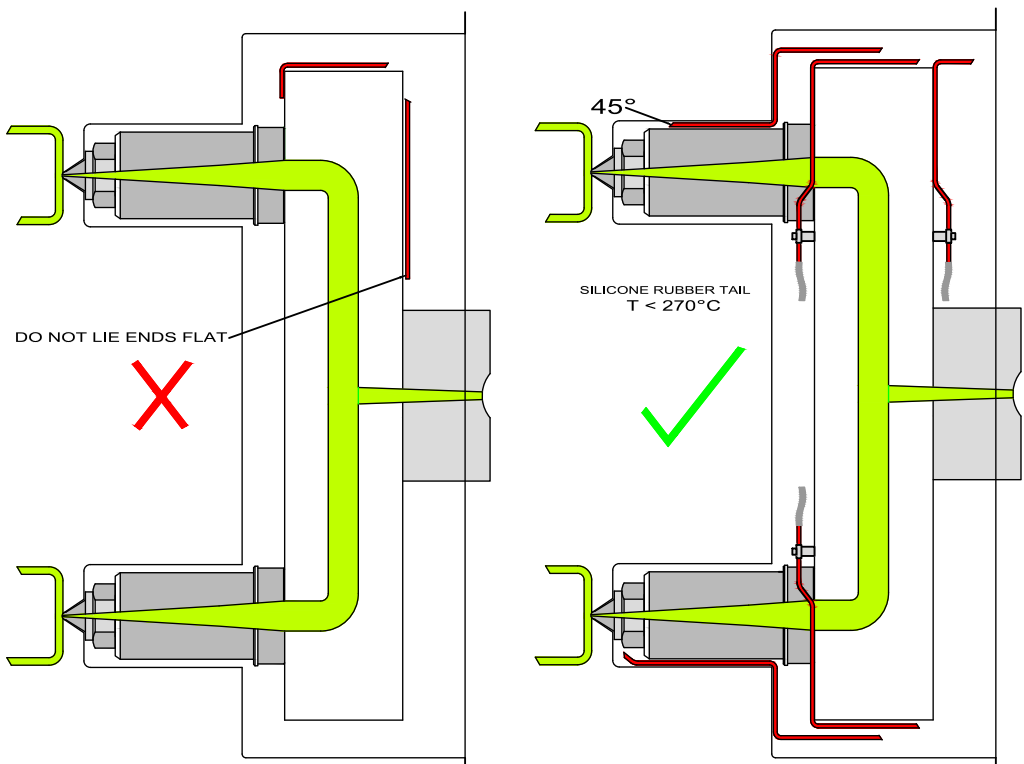
LM2050 Installation Guide

VA 0924

- IMPORTANT INSTALLATION / OPERATION NOTES:**
- 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.
 - The internal pressure Lock Relay Contacts have a capacity of 24Vdc 1A.
 - Ensure neat workmanship and turn the wiring and conduit around 90 degrees if possible. Do not over-tighten pneumatic connections.
 - 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 passage and clear inner sensor tube diameter of 1-1.2mm.
 - When using expansion Manifolds (LA508 etc) ensure the Manifolds are properly programmed and approved as 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.
 - ELECTRICAL POWER SHOULD ONLY BE SWITCHED ON AFTER THE SENSOR USE INSTALLATION IS COMPLETE AND THE AIR SUPPLY WHEN USING LA504M, LA508M or LASTEM 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 LIT (NORMAL)
 - STATUS LED SHOULD FLASH EVERY 3-4 SECONDS (NORMAL)
 - STATUS LED WILL FLASH QUICKLY FOR COMMUNICATION DATA ERROR WARNING
 - INTERNAL SENSOR ERROR WARNING
- CORRECT INSTALLATION WILL MAKE A VERY NOISE
- INFO@AIRTECT.COM WWW.AIRTECT.COM

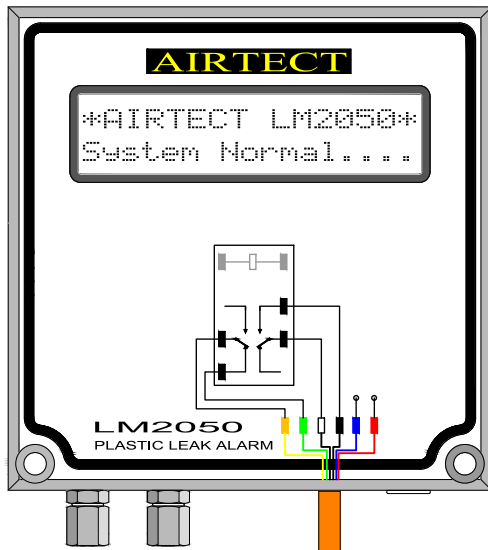


AIRTECT LM2050 - LA504 / LA508 / LA516 NOZZLE AND HOT RUNNER INSTALLATION GUIDE

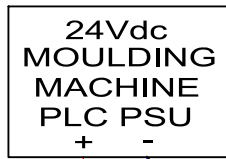
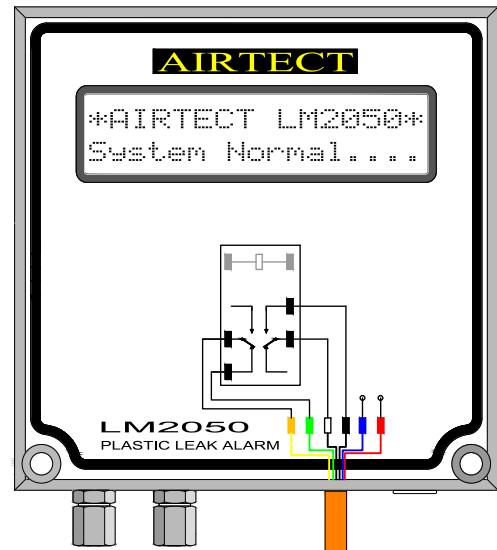


Example for the location of Leak Sensor Tubes at the Nozzles and Hot Runner Manifold areas.

Install the Leak Sensor Tubes at likely leak locations. Choose carefully based on Mould Design and Leak History. For the Manifold, offset the ends of the Leak Sensor Tubes by 5mm from the Manifold Surface using the brackets supplied. Attach 20mm-30mm long Silicone Rubber Tails to the ends of the Leak Sensor Tubes. Do NOT use Silicone Rubber Tails on the Leak Sensor Tubes at the Nozzle Drops.



OR



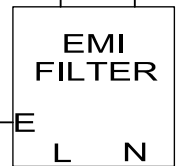
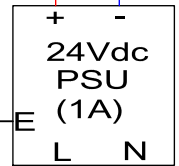
GREEN / YELLOW = N/O
BLACK / WHITE = N/C

RED: +24VDC
BLUE: 0V



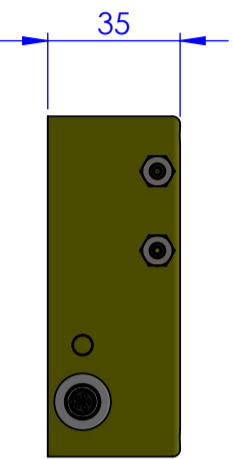
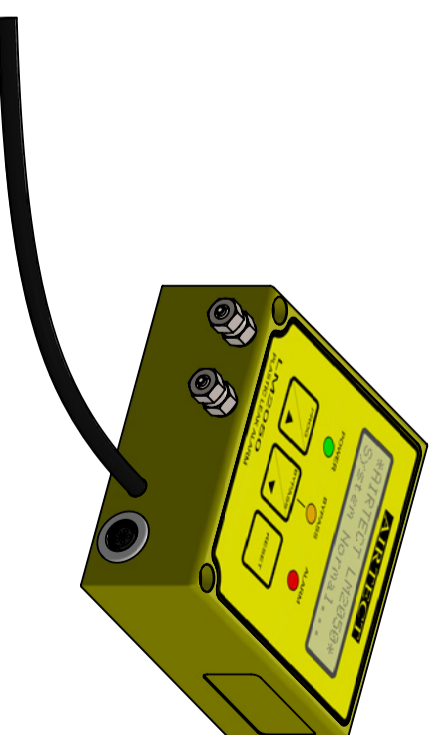
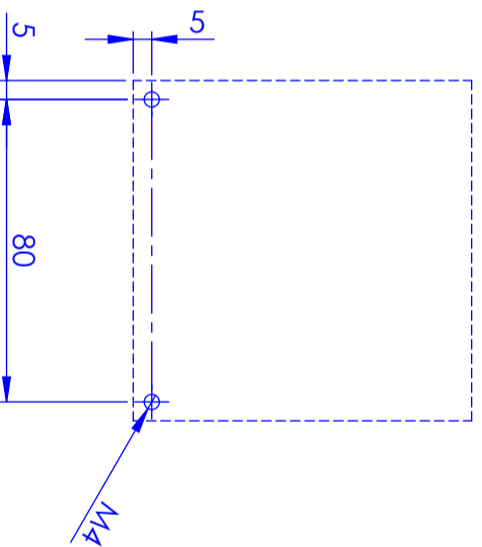
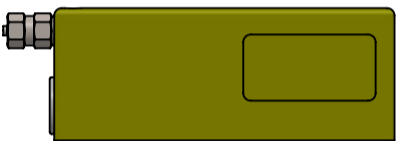
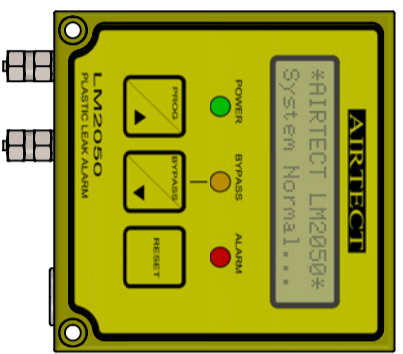
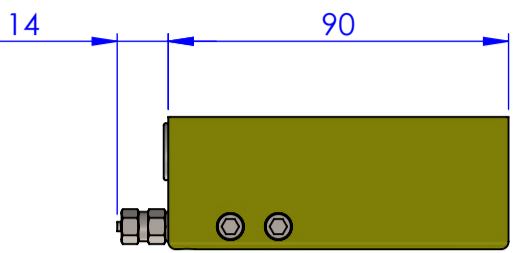
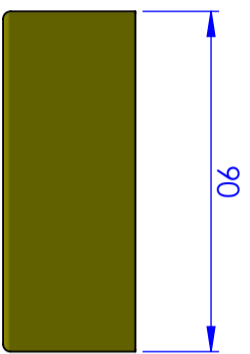
GREEN / YELLOW = N/O
BLACK / WHITE = N/C

RED: +24VDC
BLUE: 0V



230 Vac

8 7 6 5 4 3 2 1



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Plastic Leak Alarm System



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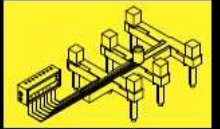
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: BRUSHED		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
TOLERANCES: LINEAR: ±0.1mm ANGULAR: ±0.5°						TITLE: LM2050 Mounting Details		0	
NAME	SIGNATURE	DATE				DWG NO.			
DRAWN	SC	01/07/2019				LM2050			
CHKD									
APPVD									
MFG									
G.A									
REV									

8 7 6 5 4 3 2 1

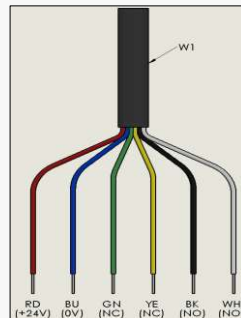
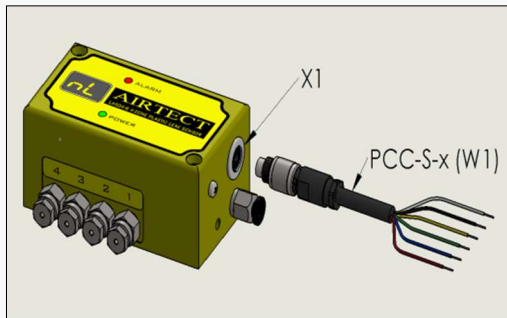
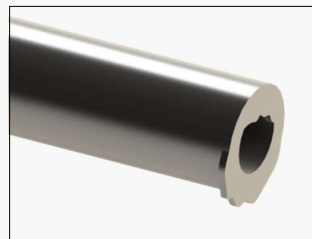
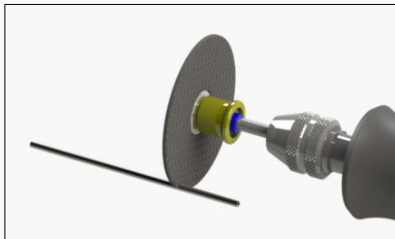
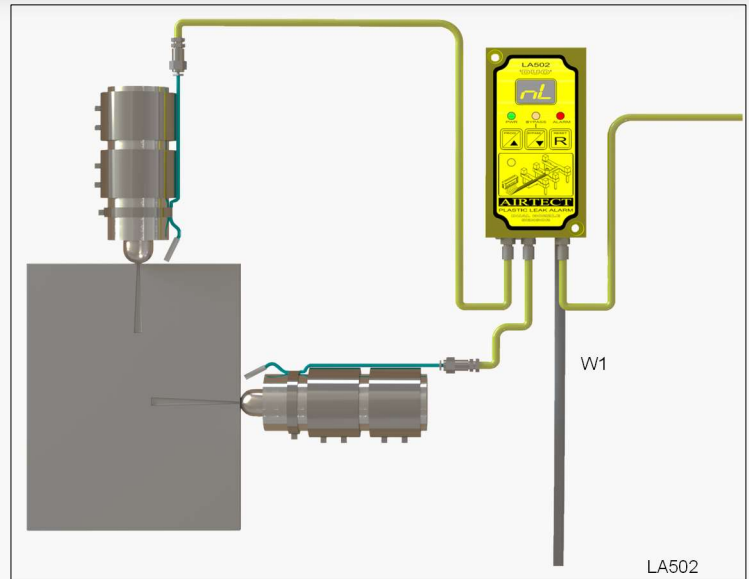
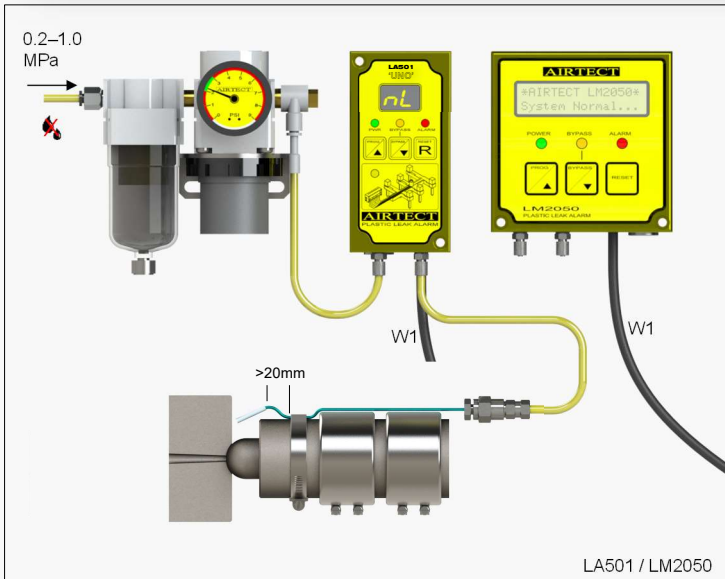
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SHEET 1 OF 1

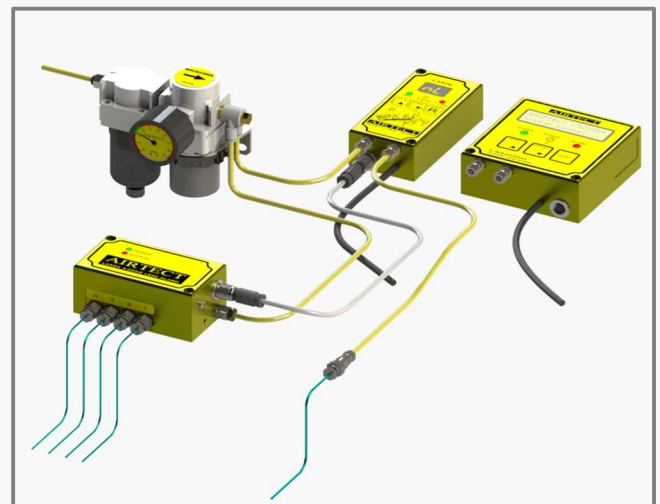
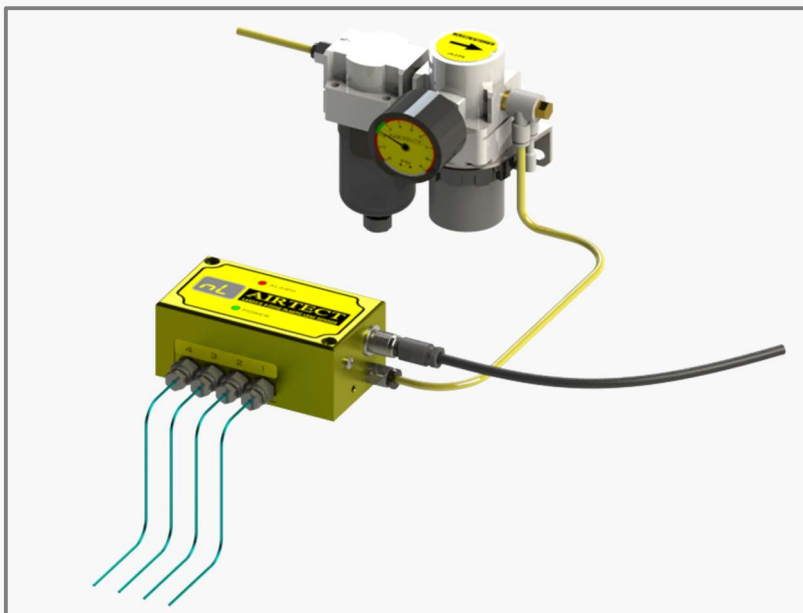
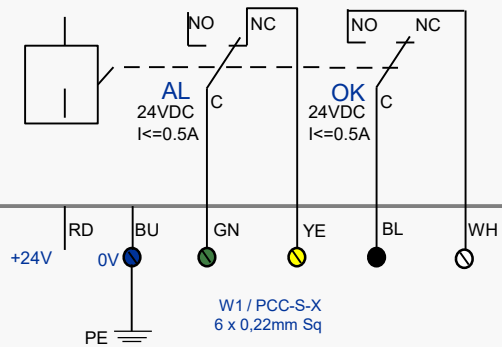
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Plastic Leak Alarm System

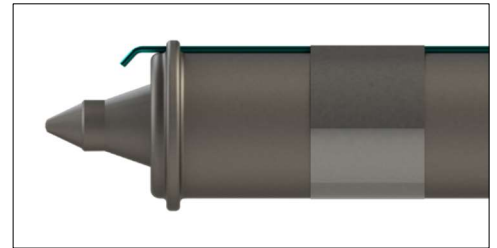
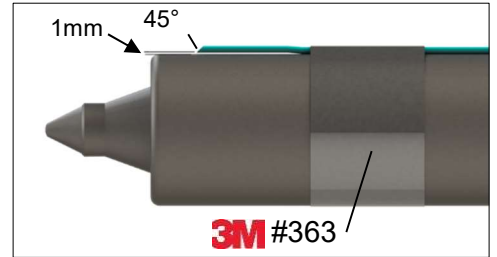
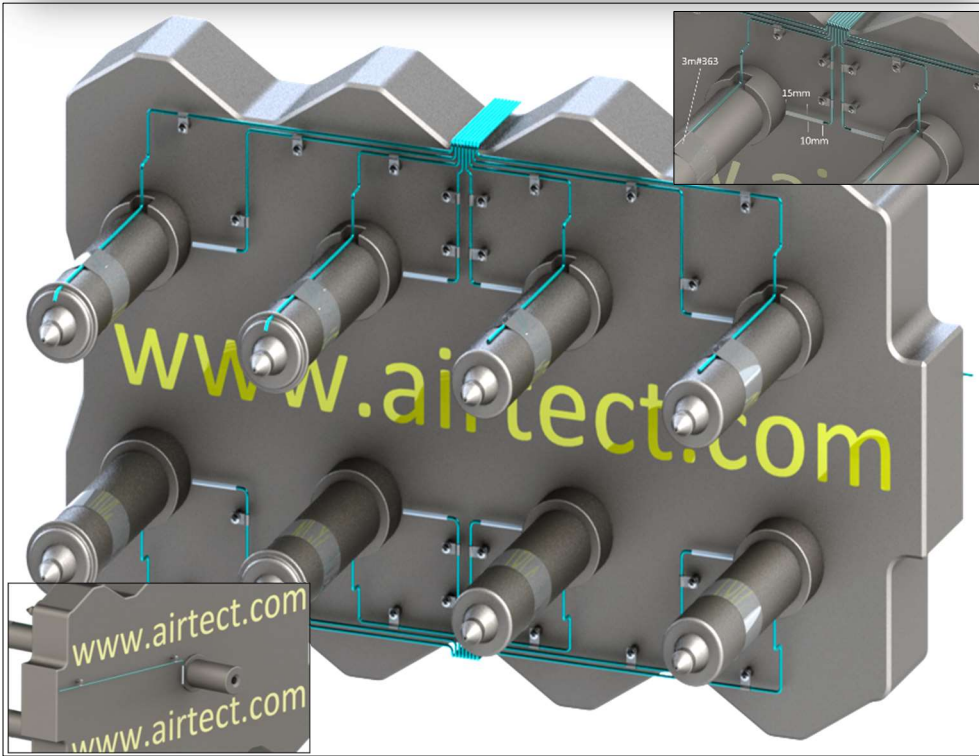


LM2050 / LA501 / LA502 / LA504S / LA508S / LA516S
LA524S / LA506S-1L / LA512S-2L / LA520S-2L.



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Plastic Leak Alarm System



ULTIMATE

