

PROGRAMMING LA500



Normal Indication = NO LEAK or TEMPERATURE ALARMS
NORMAL



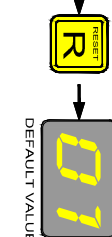
PRESS AND HOLD PROG/UP BUTTON FOR 5 SECONDS



ENTER PROGRAMMING



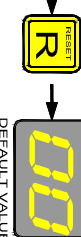
LA500 NOZZLE ALARM ACTIVE OR INACTIVE



USE THE ▲ UP AND DOWN ▼ BUTTONS TO SELECT:
'01' = THE LA500 WILL DETECT NOZZLE LEAKS AND REQUIRES A SUPPLY OF COMPRESSED AIR.
'00' = THE LA500 IS ONLY USED AS A CONTROLLER FOR MANIFOLD SYSTEMS (E.G. LA508 ETC) AND DOES NOT REQUIRE A SUPPLY OF COMPRESSED AIR.



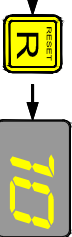
NUMBER OF MANIFOLD ZONES



USE THE ▲ UP AND DOWN ▼ BUTTONS TO SELECT:
'01' = 8-ZONES e.g. LA508
'02' = 16-ZONES e.g. LA508 or 1 x LA516
'03' = 24-ZONES e.g. 3 x LA508 or 1 x LA516
'04' = 32-ZONES e.g. 4 x LA508 or 2 x LA516
N.B THE MANIFOLD UNITS ARE PRE-PROGRAMMED WITH THEIR NUMBER LOCATION IN ANY SET-UP.



RELAY DELAY TIMER



USE THE ▲ UP AND DOWN ▼ BUTTONS TO SELECT THE STANDBY LOCK RELAY TIMER DELAY FROM 00 TO 99 SECONDS



HIGH TEMPERATURE ALARM VALUE



USE THE ▲ UP AND DOWN ▼ BUTTONS TO SELECT THE HIGH TEMPERATURE ALARM VALUE 00 TO 99°C



LOW TEMPERATURE ALARM VALUE



USE THE ▲ UP AND DOWN ▼ BUTTONS TO SELECT THE LOW TEMPERATURE (SET POINT) WHEN USING MANIFOLDS. N.B THE LOW TEMPERATURE ALARM WILL NOT ACTIVATE UNTIL THE MOULD HAS HEATED UP AND ITS TEMPERATURE THEN DECREASES BELOW THIS SET VALUE



TEMPERATURE ALARM RELAY ACTIVE / INACTIVE



USE THE ▲ UP AND DOWN ▼ BUTTONS TO SELECT:
'00' = RELAY INACTIVE ON TEMPERATURE ALARM
'01' = RELAY ACTIVE ON TEMPERATURE ALARM
N.B THE RELAY WILL ACTIVATE 10° ABOVE AND 10° BELOW IT. THERE WILL A AUDIO-VISUAL ALARM DURING THIS 10° WINDOW



FACTORY SET VALUES (DEFAULT SETTINGS)



DO NOT PRESS RESET OR SELECT THIS SETTING IF VITAL CHANGES HAVE BEEN MADE TO THE PROGRAM SETTINGS



EXIT PROGRAMMING AND SAVE CHANGES



NORMAL

NORMAL CONDITION



ALARM CONDITION

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



INITIAL ACTION

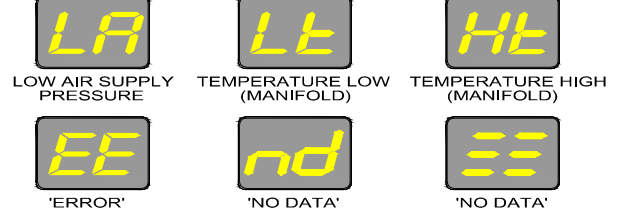
PRESS RESET BUTTON TO ACCEPT ALARM, SOUNDER WILL CEASE, RED LED CONTINUES TO FLASH, DISPLAY CYCLES THROUGH LEAK ALARM CONDITIONS N.B IF THE SOUNDER CEASES, THE RED LED GOES OUT AND THE DISPLAY RETURNS TO NORMAL AFTER PRESSING THE RESET BUTTON, THEN THE ALARM WAS MOMENTARY AND IS NOW NOT PRESENT

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 RECTIFIED



OTHER ALARM INDICATIONS



THESE DISPLAYS RELATE TO COMMUNICATION ALARMS WHEN THE LA500 IS CONNECTED TO A MULTI-ZONE MANIFOLD/S AND 'Pn' HAS NOT BEEN PROGRAMMED CORRECTLY 'nd' WILL BE FOLLOWED BY 'EE'. PLEASE CHECK PROGRAM SETTING FOR 'Pn'. THESE ALARMS WILL ALSO BE DISPLAYED IF A MANIFOLD IS DISCONNECTED OR THE PCC CABLE GETS BROKEN OR DAMAGED.

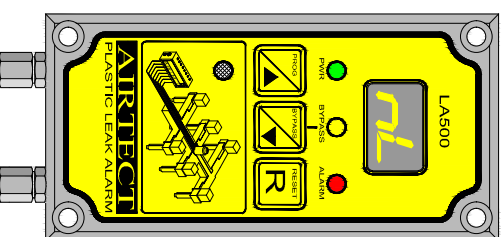
IMPORTANT INSTALLATION NOTES:

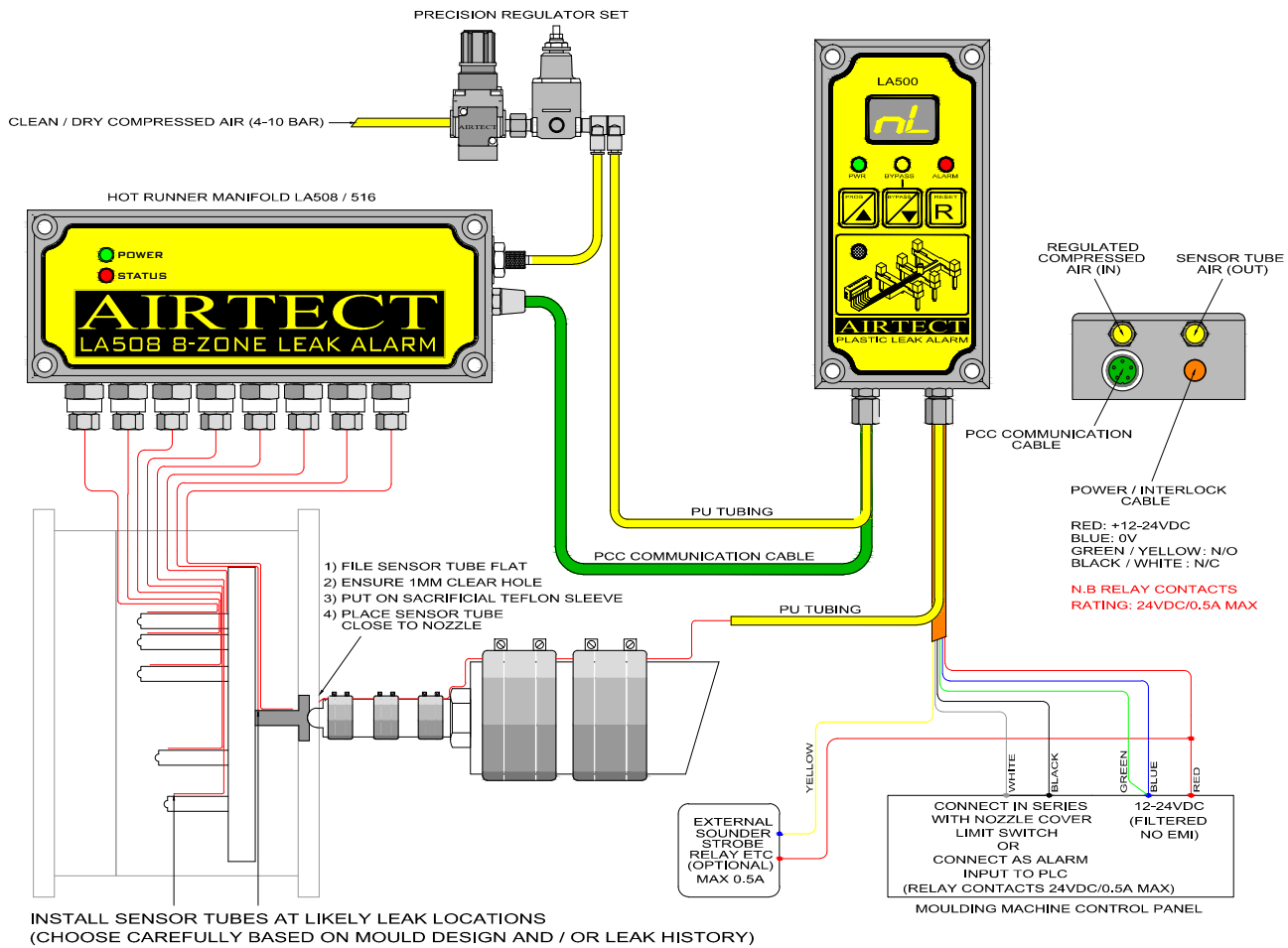
- 1) DC Power Source must be interference free i.e. no EMI or Switching Valves, Servo Motors etc. Use separate Power Supply or Power Supply for machine PLC.
- 2) The internal interlock Relay contacts have a capacity to switch loads of 24Vdc with a maximum current of 0.5A.
- 3) Ensure neat workmanship and run wiring and PU tubing within machine enclosure if possible. Do not overlighten pneumatic connections.
- 4) Ensure 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.
- 5) When using expansion Manifolds (LA508 etc) ensure the LA500 is programmed correctly. If the LA500 has not been programmed to accept a manifold and one is connected, then at the start of the cycle the LA500 will display 'nL' and the manifold is not connected, a communication alarm will occur.

CORRECT INSTALLATION WILL MAKE A VERY RELIABLE LEAK DETECTION SYSTEM!
REGULAR SYSTEM CHECKS WILL ENSURE CONTINUOUS RELIABILITY!

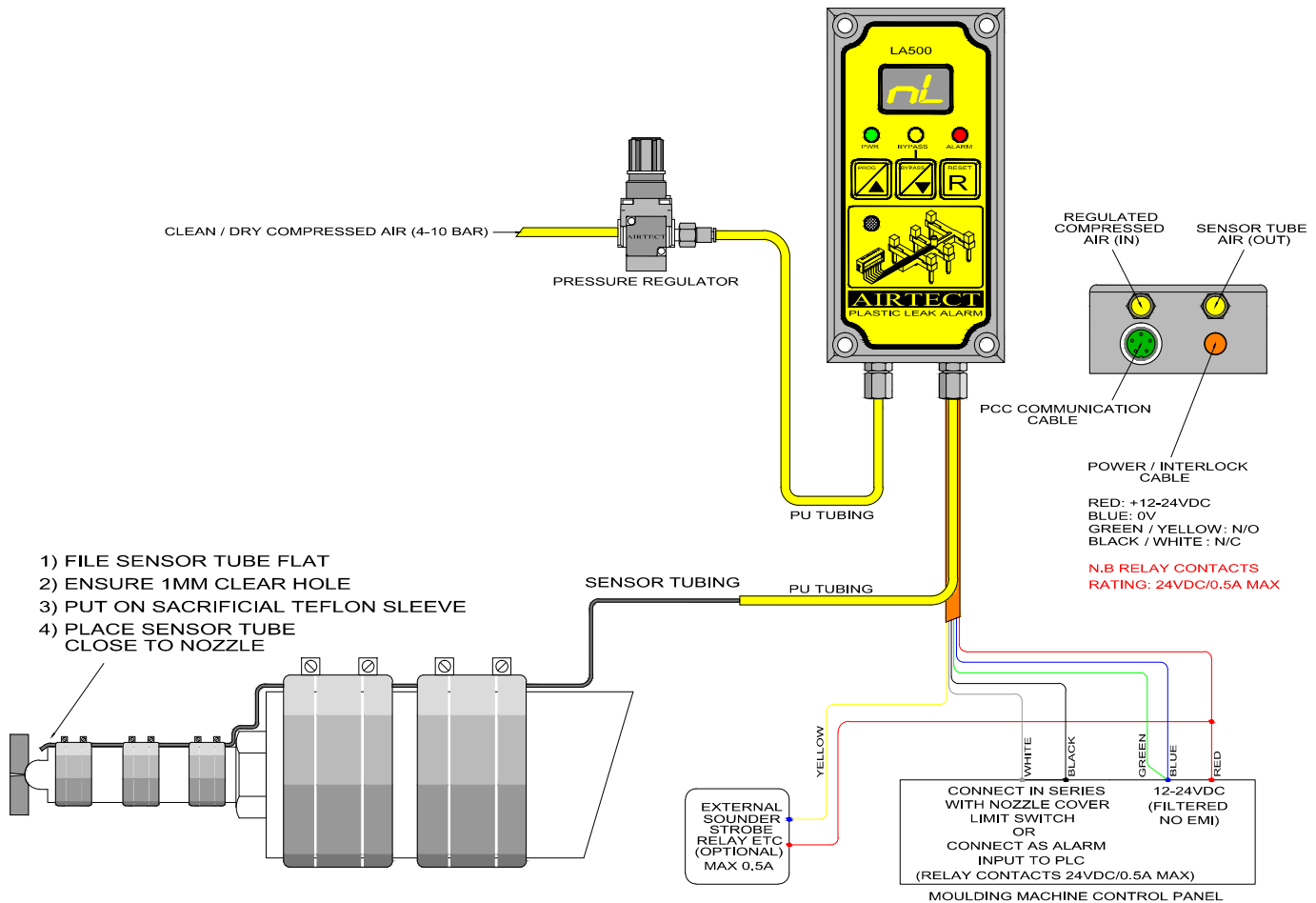
AIRTECT

Plastic Leak Alarm System





AIRTECT LA500 - LA508 / LA516 NOZZLE AND HOT RUNNER INSTALLATION GUIDE



AIRTECT LA500 NOZZLE ONLY INSTALLATION GUIDE