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# Installation/Programming Guide

# LM2050



ALARM BYPASSED AT NOZZLE

Manifold(s) data Error...

THIS ALARM MESSAGE WILL BE DISPLAYED IF THE CONTROLLER HAS BEEN PROGRAMMED TO OPERATE WITH 1 OR MORE MANIFOLDS, AND THE MANIFOLDS HAVE BEEN DISCONNECTED. TO OPERATE THE CONTROLLER AS A SNGLE ZONE NOZZLE ALARM SEE PROGRAM MENU.

NO RESPONSE FROM MANIFOLD/S

Air Pressure LOW in Control Unit

System Alarm..!! Mould Temp LOW..

MOULD TEMPERATURE LOW LOW AIR SUPPLY TO CONTROL UNIT

### MOULD TEMPERATURE HIGH









the power supply for the PLC The DC Supply must be interference free e.g

electrically from LA-500 should be used.

the on board relay. External relay(s), isolated gnisu bendiws ed fon bluods anism O/A edT

**TNATAO9MI** 

STATUS' LED WILL FLASH EVERY 0.5 SECOND IF NOT OPERATING CORRECTLY

**INSO20 INSTALLATION GUIDE** 

AZIATUS. LED WILL FLASH EVERY 4 SECONDS WHEN OPERATING CORRECTLY

OBSTRUCT UNUSED INPUTS

DO NOT PLUG OR

PRESSURE CIRCUIT POWER SOURCE OR INJECTION CARRIAGE HIGH

NOZZIE COVER LIMIT SWITCH

YELLOW

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COMMUNICATION CABLE

WHITE

NC NC

UNIT IS < 0.5 BAR

NOTE:- AIR PRESSURE INTO

(JANOIT90)

RELAY, etc STROBE

EXTERNAL

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15-24 VDC

GREEN N/O BLUE (-)

SOFT COPPER DETECTOR TUBING

## LM2050 INDICATIONS



SOFT COPPER TUBING

СОРРЕР ТИВІИБ

PUSH FIT OVER

- PLASTIC TUBING

FILED AT 30 DEGREES

**20FT COPPER TUBE** 

NAIT IS < 0.5 BAR

NOTE:- AIR PRESSURE INTO

DRY FILTERED AIR SUPPLY

System Mormal... |System Mormal...

NORMAL

OPTIONAL MOULD TEMPERATURE CYCLIC INDICATION

### **ALARM CONDITION**

ALARM DETECTED, BUZZER SOUNDS, RED LED FLASHES. RELAY WILL OPERATE AFTER DELAY TIME EXPIRES, DISPLAY CYCLES THROUGH ALARM CONDITIONS

System Alarm..!! System Alarm..!! Leak at Mozzle..

Leak in Zone #05 IF LEAK AT HOT RUNNER MOULD LOCATION 05 ALSO

LEAK AT NOZZLE

### PRESS RESET BUTTON TO ACCEPT ALARM. SOUNDER CEASES, RED LED CONTINUES TO FLASH, RELAY STILL ACTIVATED, DISPLAY CYCLES THROUGH ALARM CONDITIONS

### IF THE CONDITION IS NOT SERIOUS AND THE MACHINE NEEDS TO BE RE-STARTED, THEN THE BYPASS FUNCTION MAY BE SELECTED

### **BYPASS ALARM**

TO BYPASS ALARM, PRESS AND HOLD BYPASS BUTTON UNTIL AMBER LED ILLUMINATES

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### **PROGRAMMING LM2050** \*AIRTECT LM2050\* > Leak Monitor <</p> Mould Temp...45°C System Normal... | System Normal... System Normal... NORMAL DISPLAY INDICATION...NO LEAKS DETECTED MOULD TEMPERATURE WILL BE DISPLAYED IF MANIFOLD ATTACHED TO ENTER PROGRAMMING MENU PRESS Programming Menu AND HOLD PROG/UP BUTTON Ur..Down..Select FOR 5 SECONDS [1] \*\*EMGLISH\*\* Select Language [1] \*\*ENGLISH\*\* Ur..Down..Select USE A BUTTON TO SELECT ENGLISH, SPANISH OR FRENCH, THEN PRESS 'RESET' TO CONTINUE THE PROGRAMMING OPTIONS(IN THE SELECTED LANGUAGE). USE A V BUTTONS TO SELECT VALUE Set Temperature FOR FIRST FLASHING DIGIT, THEN PRESS RESET Trip °C..10 'RESET' AND SELECT VALUE FOR THE LOW SECOND FLASHING DIGIT, THEN PRESS 'RESET PROGRAM LOW MOULD TEMPERATURE TRIP POINT e.g 10 Deg. C USE ▲ ▼ BUTTONS TO SELECT VALUE ~,=+. Temperature FOR FIRST FLASHING DIGIT, THEN PRESS High Trip °C..60 RESET 'RESET' AND SELECT VALUE FOR THE SECOND FLASHING DIGIT. THEN PRESS 'RESET PROGRAM HIGH MOULD TEMPERATURE TRIP POINT e.g 60 Deg. C USE ▲ ▼ BUTTONS TO SELECT VALUE Zone Selection.. FOR THE FLASHING DIGIT, Manifolds Oty: THEN PRESS 'RESET' PROGRAM NUMBER OF MANIFOLDS IN THE SYSTEM I.E D=NO77LF ONLY ALARM 1 = NOZZLE AND 1 MANIFOLD WITH 1-8 FXTRA ALARM 70NFS 2 = NO77LE AND 2 MANIFOLDS WITH 1-16 EXTA ALARM 7ONES Temperature Trip PRESS THE 'RESET' BUTTON TO RESET Relay Active.YES TOGGLE BETWEEN 'YES OR 'NO. PROGRAM THE INTERLOCK RELAY TO ACTIVATE ON LOW / HIGH MOULD TEMPERATURE (RELAY WILL ACTIVATE 10 DEGREES ABOVE OR BELOW RESPECTIVE SET POINTS, AUDIO-VISUAL ALARM ONLY IN THIS 10 DEGREE WINDOW). EAK...Interlock PROG PRESS THE 'RESET' BUTTON TO TOGGLE BETWEEN 'YES OR 'NO. Relay Timed..YES PROGRAM THE INTERLOCK RELAY TO ACTIVATE AFTER A PRESET DELAY TIME 0-99 SECONDS (SEE SETTING LATER) Controller Zone PRESS THE 'RESET' BUTTON TO ночени ДСТІЦЕ ночения TOGGLE BETWEEN 'ACTIVE AND INACTIVE'. PROGRAM OUT THE CONTROLLER AS A SINGLE ZONE 'NOZZLE' ALARM. IF SET TO 'INACTIVE'. THEN THE CONTROLLER WILL FUNCTION AS THE CONTROL/DISPLAY UNIT FOR A MULTI-ZONE ALARM SYSTEM. IT WILL NOT REQUIRE AN AIR SUPPLY CONNECTED TO IT. IF SET TO 'ACTIVE' IT WILL REQUIRE AN AIR SUPPLY AND CAN BE USED AS A 'NOZZLE' ALARM IN ADDITION TO A MULTI-ZONE ALARM SYSTEM. USE **↑** ▼ BUTTONS TO SELECT VALUE Interlock Relaw FOR FIRST FLASHING DIGIT, THEN PRESS RESET Timer (Secs)= 10 'RESET' AND SELECT VALUE FOR THE SECOND FLASHING DIGIT, THEN PRESS 'RESET' PROGRAM INTERLOCK RELAY DELAY TIME, 0-99 SECONDS Restore Unit..to ARE YOU SURE YOU WANT TO SELECT THIS SETTING? Factory Settings PROGRAM THE UNIT BACK TO DEFAULT SETTINGS I.E THOSE SHOWN ON THE DISPLAY PANELS ABOVE. IN THIS PROGRAMMING SHEET. THIS SETTING IS RARELY CHOSEN AS IT WILL OVERRIDE ANY CHANGES MADE DURING PROGRAMMING. Programming Menu RESET PRESS 'RESET' TO ACCEPT CHANGES. EXIT PROGRAMMING Save/Quit Menu.. AND RETURN TO NORMAL OPERATION. PROGRAM THE UNIT TO ACCEPT ALL THE CHANGES MADE TO THE

SETTINGS DURING PROGRAMMING. .