EF EBTRON® EB-Flow I-P Units

Application Specific Airflow Measurement with Temperature & Alarm Capability

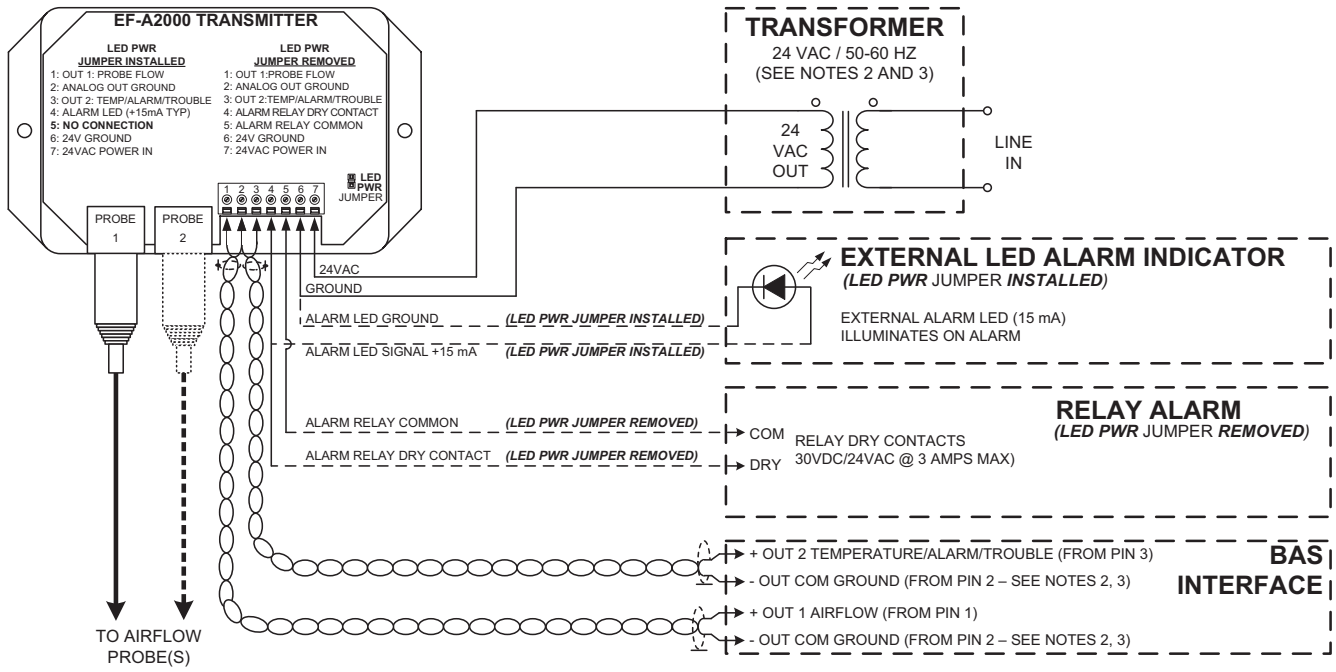
2000 SERIES

EF-A2000-U

INSTALL / SETUP

DOCUMENT PN: 930-0430

EF-A2100-U AND EF-A2200-U (CONFIGURED AS SINGLE) WIRING DIAGRAM



NOTES:

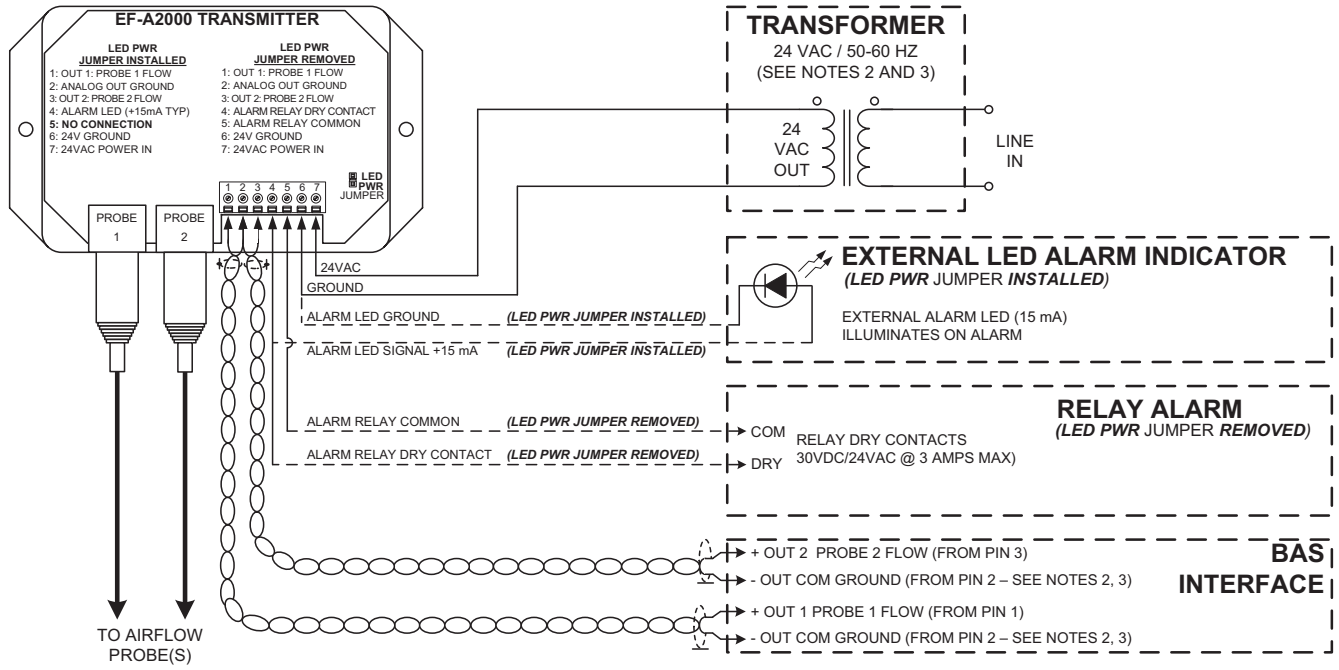
1: CONNECT OUTPUT SIGNAL CABLE DRAINS TO EARTH GROUND AT ONE END OF CABLE ONLY.

2. EF-A2000 IS A NON-ISOLATED DEVICE USING A HALF-WAVE RECTIFIER ON THE 24VAC POWER INPUT. IF MULTIPLE DEVICES ARE POWERED BY THE SAME TRANSFORMER OUTPUT, ALL GND CONNECTIONS MUST BE COMMON, OR AN ISOLATION TRANSFORMER MAY BE USED TO PREVENT EQUIPMENT DAMAGE.

3. ALL DEVICES ON MULTIPLE EF-A2000 INSTALLATIONS WITH A COMMON POWER 24VAC SOURCE MUST BE WIRED IN-PHASE TO THE SAME TERMINALS (PIN 6 to PIN 6, PIN 7 to PIN 7).

4. SHIELDED TWISTED PAIR (STP) WIRING (SUPPLIED BY OTHERS) IS RECOMMENDED.

EF-A2200-U (CONFIGURED AS DUAL) WIRING DIAGRAM



NOTES:

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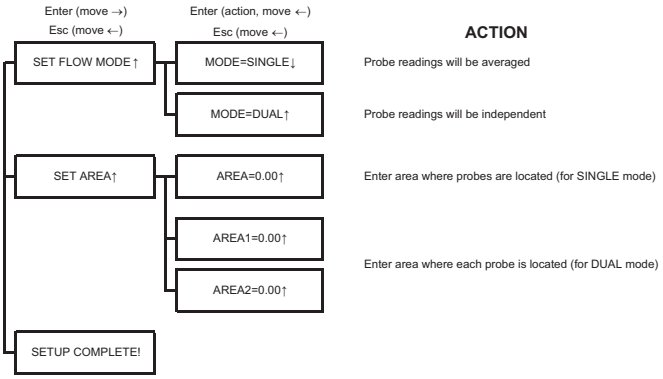
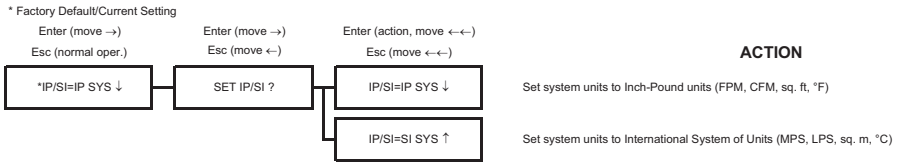
SETUP WIZARD MENU

SETUP WIZARD



SYSTEM OF UNITS MENU

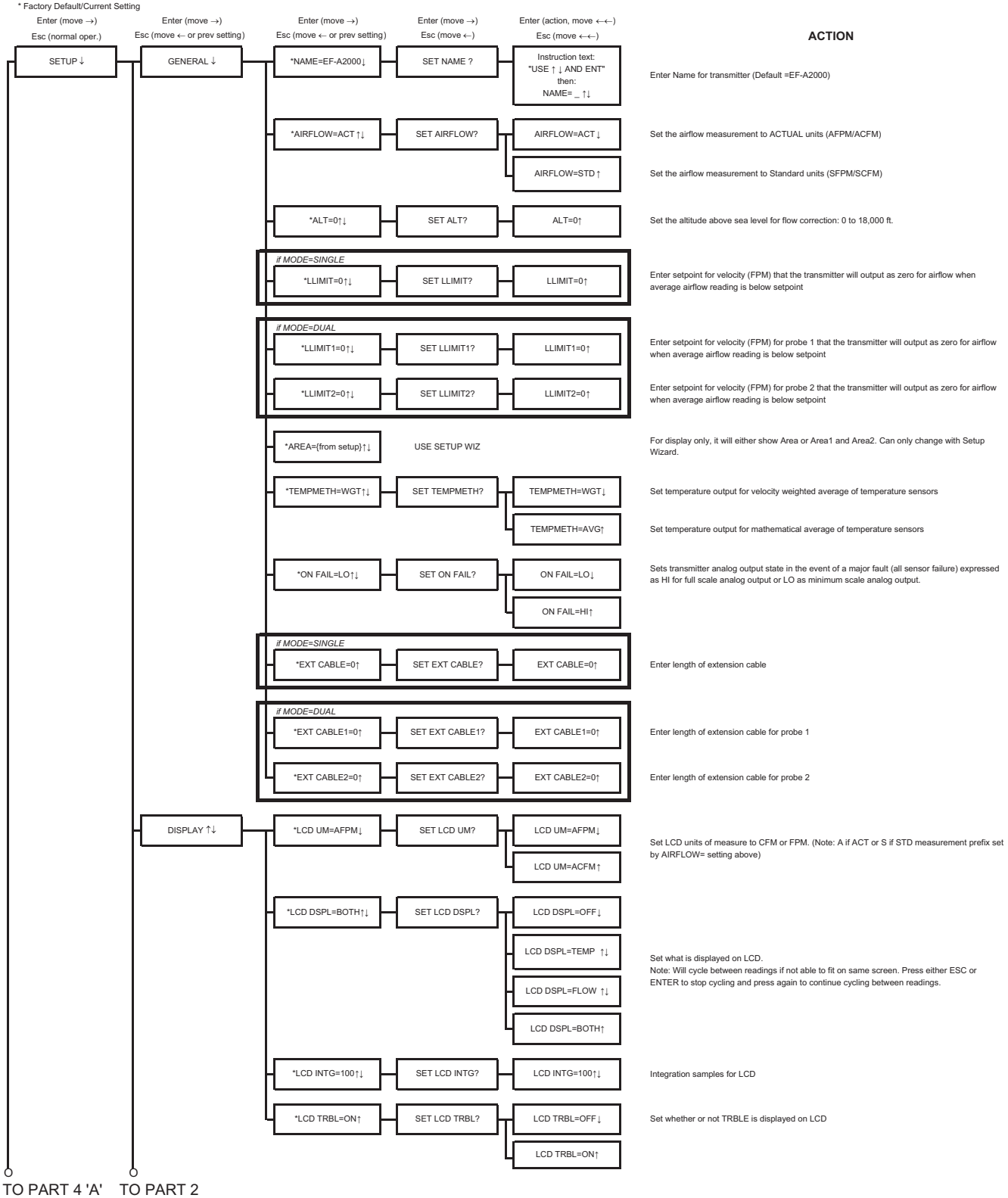
SYSTEM OF UNITS MENU
Simultaneously depress/release ENTER + ESC keys during normal operation to select



SETUP MENUS (PART 1 OF 5)

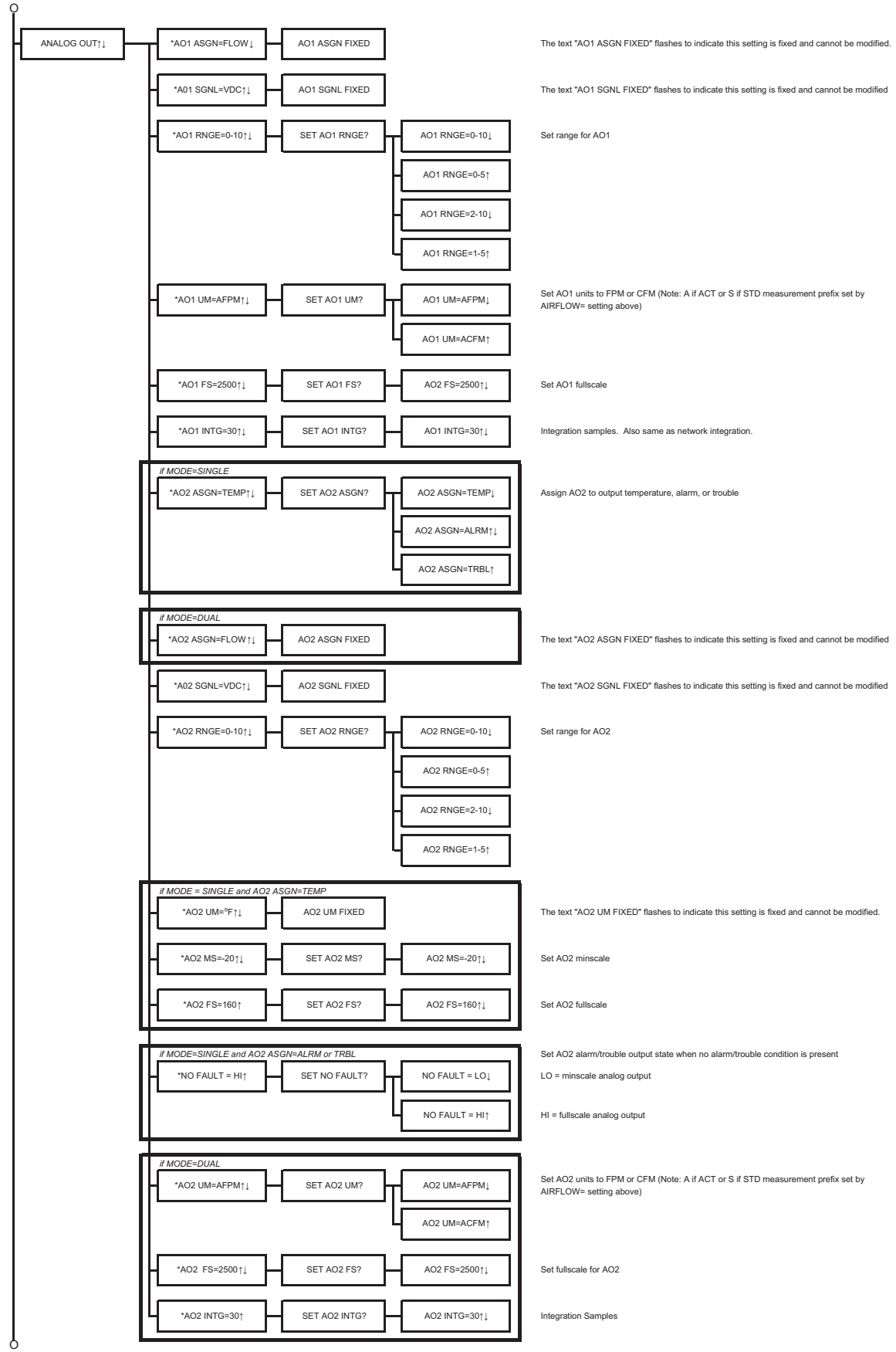
SETUP MENU

Simultaneously depress/release ↑ + ↓ keys during normal operation to select

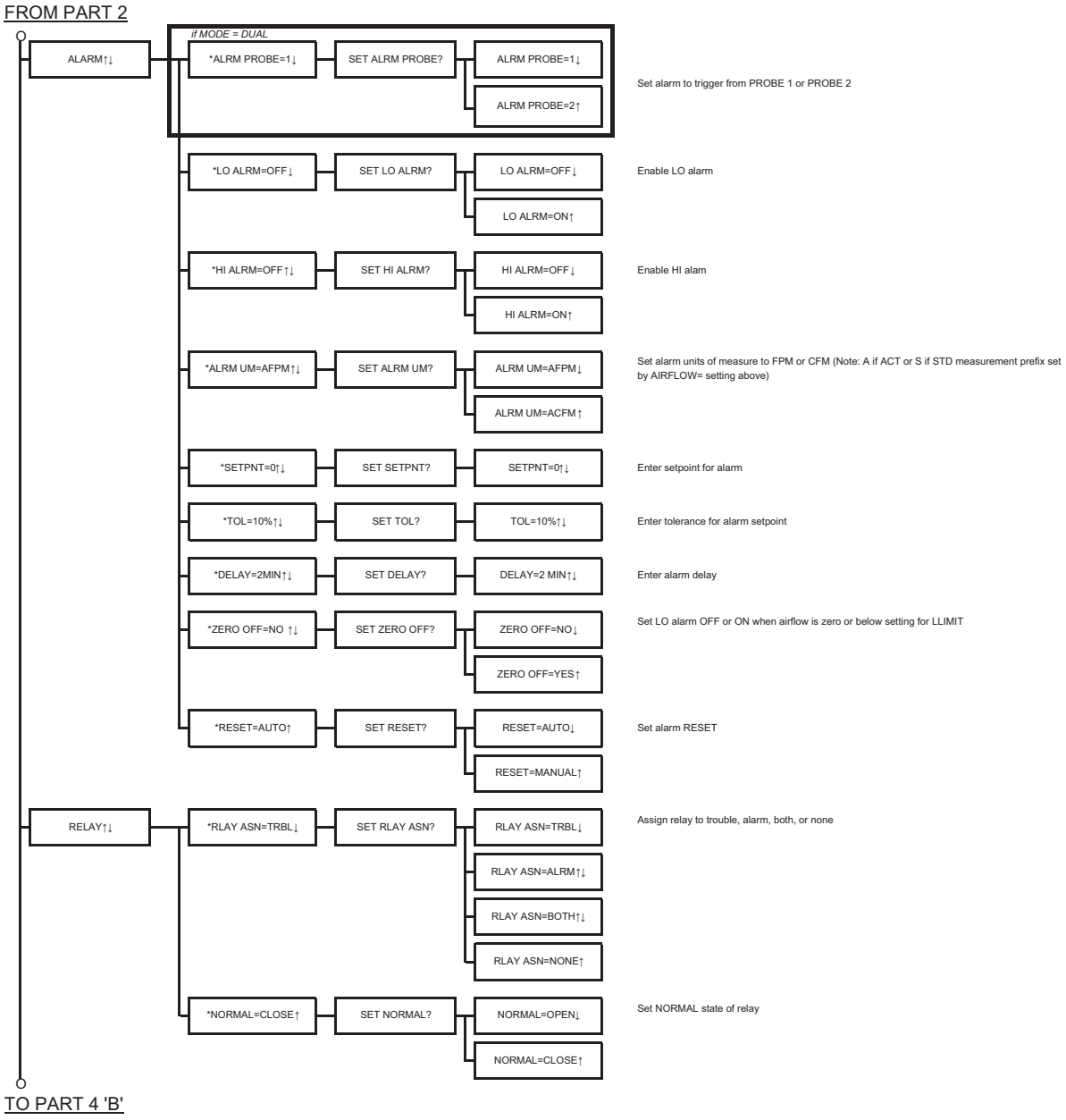


SETUP MENUS (PART 2 OF 5)

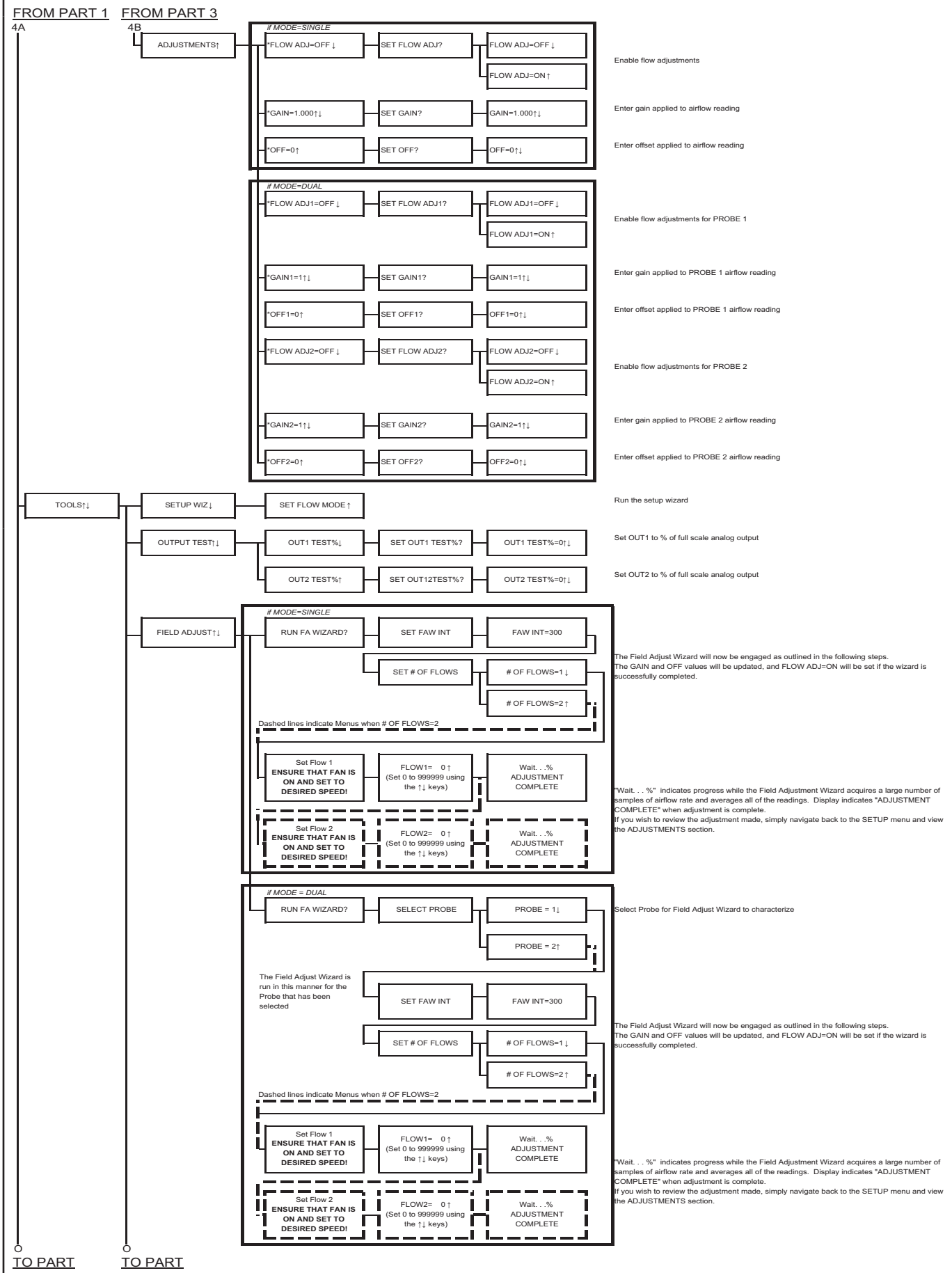
FROM PART 1



TO PART 3


FROM PART 2
if MODE = DUAL
ALARM↑↓
*ALRM PROBE=1↓
SET ALRM PROBE?
ALRM PROBE=1↓
ALRM PROBE=2↑
Set alarm to trigger from PROBE 1 or PROBE 2
*LO ALRM=OFF↓
SET LO ALRM?
LO ALRM=OFF↓
LO ALRM=ON↑
Enable LO alarm
*HI ALRM=OFF↑↓
SET HI ALRM?
HI ALRM=OFF↓
HI ALRM=ON↑
Enable HI alam
*ALRM UM=AFPM↑↓
SET ALRM UM?
ALRM UM=AFPM↓
ALRM UM=ACFM↑
Set alarm units of measure to FPM or CFM (Note: A if ACT or S if STD measurement prefix set by AIRFLOW= setting above)
*SETPNT=0↑↓
SET SETPNT?
SETPNT=0↑↓
Enter setpoint for alarm
*TOL=10%↑↓
SET TOL?
TOL=10%↑↓
Enter tolerance for alarm setpoint
*DELAY=2MIN↑↓
SET DELAY?
DELAY=2 MIN↑↓
Enter alarm delay
*ZERO OFF=NO ↑↓
SET ZERO OFF?
ZERO OFF=NO↓
ZERO OFF=YES↑
Set LO alarm OFF or ON when airflow is zero or below setting for LLIMIT
*RESET=AUTO↑
SET RESET?
RESET=AUTO↓
RESET=MANUAL↑
Set alarm RESET
RELAY↑↓
*RLAY ASN=TRBL↓
SET RLAY ASN?
RLAY ASN=TRBL↓
RLAY ASN=ALRM↑↓
RLAY ASN=BOTH↑↓
RLAY ASN=NONE↑
Assign relay to trouble, alarm, both, or none
*NORMAL=CLOSE↑
SET NORMAL?
NORMAL=OPEN↓
NORMAL=CLOSE↑
Set NORMAL state of relay
TO PART 4 'B'

SETUP MENUS (PART 4 OF 5)



SETUP MENUS (PART 5 OF 5)