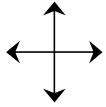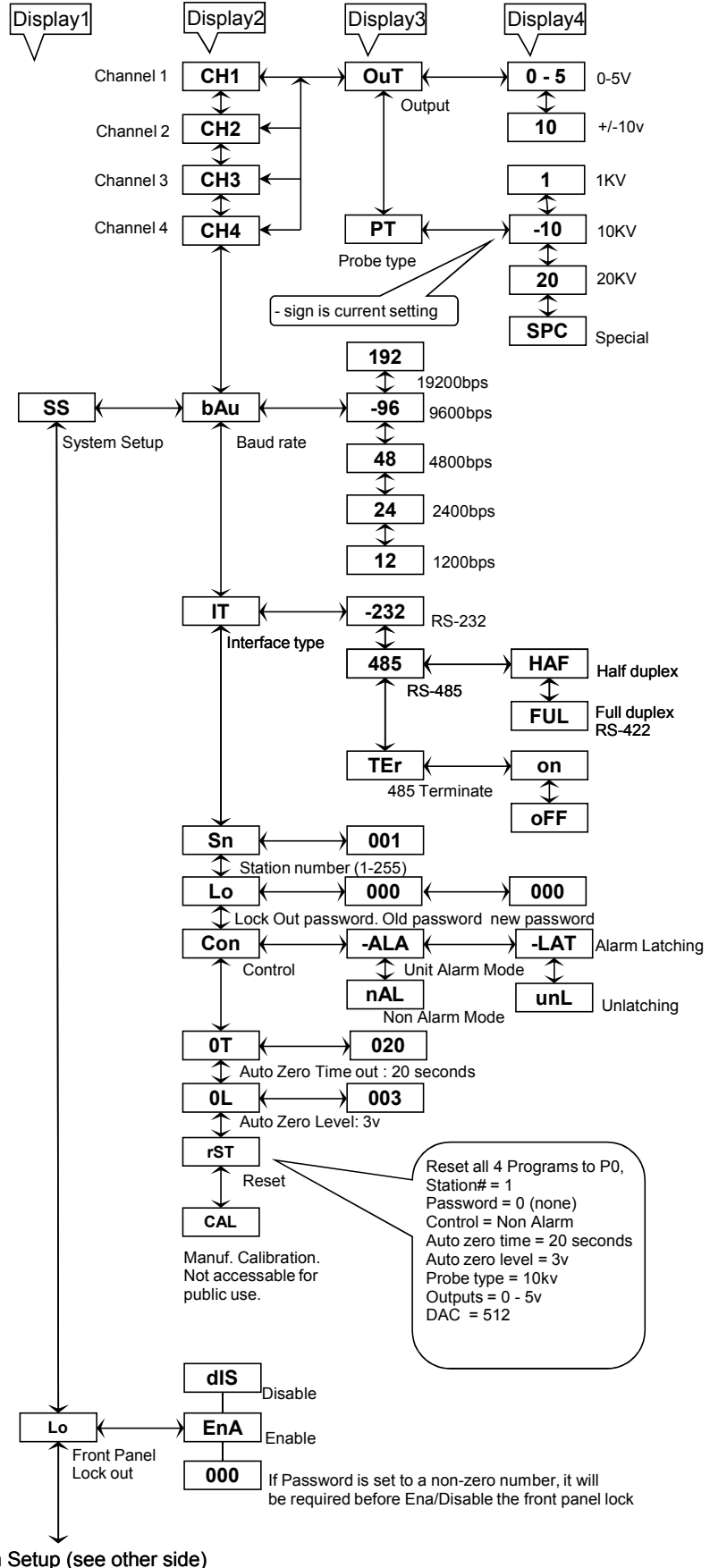# Monroe 177A Front Panel Program Tree

Advanced Energy®

Monroe 177A
Front Panel Setup Programming
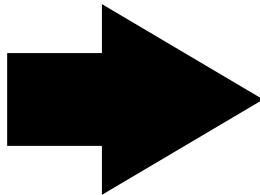Filename: 177AFrontPanelTree.xls
Jan 2012 CLH

Up / Down / Left / Right
arrow keys

To start programming, press the
[Setup] key
Press Up / Down / Left / Right
key to move between the
displays.
Press [Enter] to accept changes
or perform the function
Press [Exit] to escape the
changes or Exit setup

Display1	Display2	Display3	Display4

Channel 1 CH1 — OuT — **0 - 5** 0-5V
Output
Channel 2 CH2 — **10** +/-10v
Channel 3 CH3 — **1** 1KV
Channel 4 CH4 — PT — **-10** 10KV
Probe type
- sign is current setting
20 20KV
SPC Special

192 19200bps
SS — bAu — **-96** 9600bps
System Setup Baud rate
48 4800bps
24 2400bps
12 1200bps

IT — **-232** RS-232
Interface type
485 — **HAF** Half duplex
RS-485
FUL Full duplex RS-422
TEr — **on**
485 Terminate
oFF

Sn — **001**
Station number (1-255)
Lo — **000** — **000**
Lock Out password. Old password new password
Con — **-ALA** — **-LAT** Alarm Latching
Control Unit Alarm Mode
nAL Non Alarm Mode **unL** Unlatching
0T — **020**
Auto Zero Time out : 20 seconds
0L — **003**
Auto Zero Level: 3v
rST
Reset

CAL

Manuf. Calibration.
Not accessable for
public use.

Reset all 4 Programs to P0,
Station# = 1
Password = 0 (none)
Control = Non Alarm
Auto zero time = 20 seconds
Auto zero level = 3v
Probe type = 10kv
Outputs = 0 - 5v
DAC = 512

dIS Disable
**You are here
after pressing
the Setup key**
Lo — **EnA** Enable
Front Panel
Lock out
000 If Password is set to a non-zero number, it will
be required before Ena/Disable the front panel lock

To Program Setup (see other side)
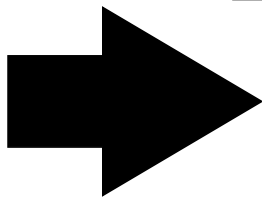
To System Setup (see other side)

Display1   Display2   Display3   Display4

You are here after pressing the Setup key

dIS — Disable

Lo ← EnA — Enable

Front Panel Lock out

000 — If Password is set to a non-zero number, it will be required before Ena/Disable the front panel lock

Program 0

P0 ← CH1 ← FS ← 10.00
Channel 1 — Full Scale 10.00kv
CH2 ← dP ← 0.00
Channel 2 — Decimal point
CH3 ← -AL ← -9.00
Channel 3 — - Alarm Level: -9.00kv
CH4 ← -L ← -5.00
Channel 4 — - Warning Level: -5.00kv
ACT — L ← 5.00
Activate Program — + Warning Level : 5.00kv
CHn — AL ← 9.00
Press Enter to show 4 Channel status — + Alarm Level: 9.00kv
AdL ← 00.0
Alarm & Warning delay: 0 - 25.5 seconds

Program 0 is default setting. It is for display only, no edit.

dIS

Program 1

-P1 ← CH1 ← -EnA
Channel 1
Program 1 is currently set to active
CH2 ← FS ← 10.00
Channel 2 — Full Scale 10.00kv
Program 2
P2 ← CH3 ← dP ← 0.00
Channel 3 — Decimal point.
Program 3
P3 ← CH4 ← ALA ← -on
Channel 4 — Alarm activate — oFF
Program 4
P4 ← ACT — -AL ← -9.00
Set Active Program — - Alarm Level: -9.00kv
CHn — -L ← -5.00
show channel status — - Warning Level: -5.00kv
L ← 5.00
+ Warning Level : 5.00kv
AL ← 9.00
+ Alarm Level: 9.00kv
Press Exit — AdL ← 00.0
Alarm & Warning delay: 0 - 25.5 seconds

Full Scale and decimal are set by probe type as follows:
1kv   1.000
10kv 10.00
20kv 19.99

Press left / right arrow key to highlight the digit. Then Press [Up] or [Down] key to change the digit value. Press [Enter] to exit the editing and set the new value. Or press [Exit] to exit the editing without changing the old value.

SAE ← YES ← No
Save the changes? Must press Enter for Yes or No

Err — no
If Power supplies are low (power led blink), show error V.
TST ← dSP — Display
Test
LEd — LED (Lights)
rLY — Relay
HEY — Key buttons
vEr — Software Versions : 177A, Display1, Key, Display2

Press [Enter] to perform these tests Press {Exit} to stop the test.

Advanced Energy