Basic configuration overview

Displays and controls

Recorder Faceplate

Note. All programming is carried out using the faceplate keys and displays.

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Specifications subject to change without notice.
Setting analog input links

Warning. Ensure that the unit is isolated from all power supplies before removing I/O boards.

Fig. 1 Input Links – Channel 1

2-wire Transmitter

PL8
1 2 3 4
or
PL8
1 2 4
All Other Input Types

PL3
2 4
or
PL3
2 1
All Other Input Types

mA V RTD & Resistance

2-wire Transmitter

mV THC
1 4
or
mV THC
1 5

mA V RTD & Resistance

Fig. 2 Input Links – Channels 2 to 4 (If fitted)

Configuring analog inputs

Select Channel – Choose the input channel to be configured

Input type – _A_P (mA), _UL(V), _UL (mV), _CPL (Thermocouple), _rtd (RTD) and LO OH (< 750 Ohms) HI OH (> 750 Ohms).

Linearizer: If using a thermocouple set to J, K, B, N, E, S, A. Other options are 5/2, 3/2, _rtd or NONE.

Range High: For a 4 to 20mA current input, set this to 2000, or for 0 to 5V, set to 50. The frame does not appear if _CPL or _rtd are used.

Range Low: Set the low end of the electrical input range, e.g. 480, for 4 to 20mA, or 00 for 0 to 5V.

Units: Select NONE if the input is not temperature, otherwise select dEG F or dEG C.

Engineering Range High: Select the highest engineering value that will be displayed when the input is at its maximum value – e.g. for an engineering range of 0 to 300.0 °F set to 3000.

Engineering Range Low: Select the lowest engineering value that will be displayed when the input is at its minimum value – e.g. for an engineering range of 0 to 300.0 °F set to 00.

Broken Sensor Drive: Determine pen action when the input signal fails: NONE – pen follows failed input; UP – pen driven to full scale; dN – pen driven to zero scale.

Fault Detection Drive: Determine maximum input travel outside engineering range before an error is detected. E.g. for a 0 to 300°F range, a 10% fault level will trigger at 330°F.

Input Filter: Adjust the instrument response time from 0 to 60 seconds in one second increments to reduce pen jump & dampen out noisy signals.

Information. The alphabet used to display page and parameter titles is as follows:

A – R
B – b
C – C or c
D – d
E – E
F – F
G – G
H – H or h
I – I
J – J
K – K
L – L
M – M
N – N or n
O – O or o
P – P
Q – Q
R – R
S – S
T – T
U – U
V – V
W – W
X – X
Y – Y
Z – Z