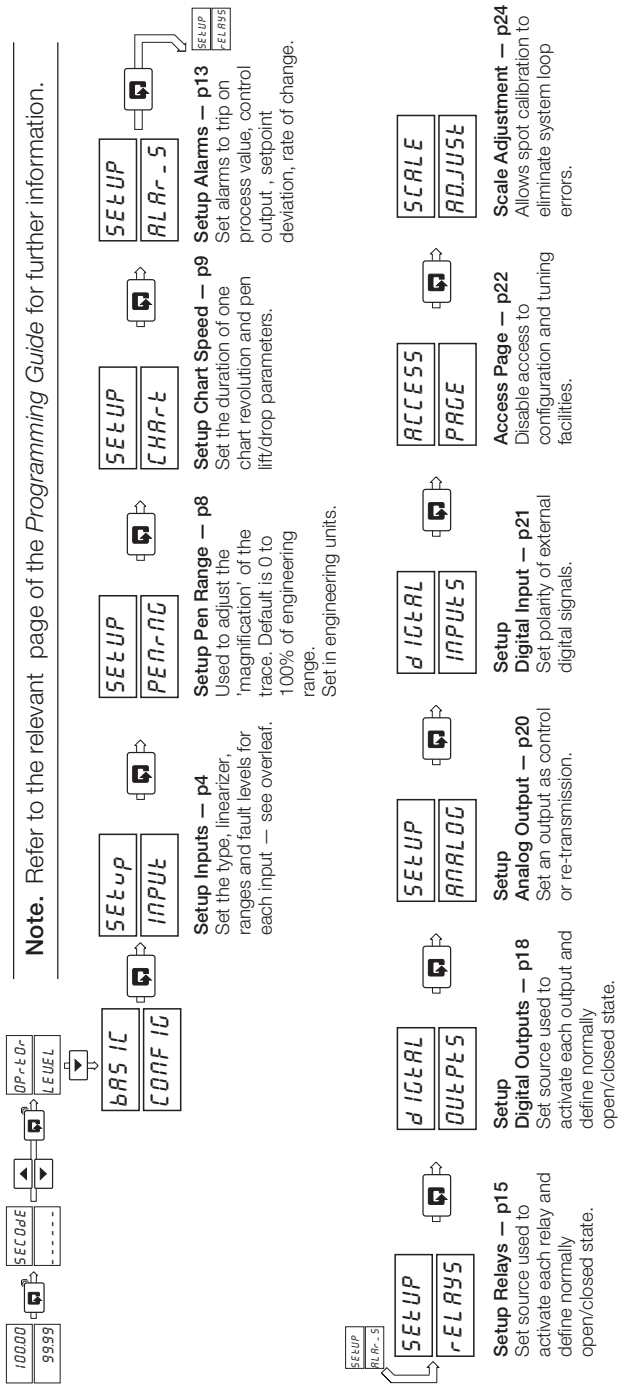
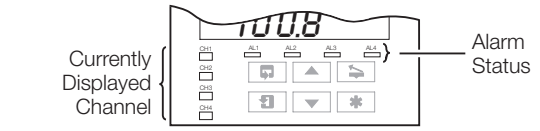
Basic configuration overview

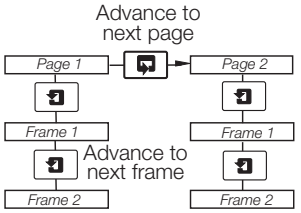


Displays and controls

Recorder Faceplate

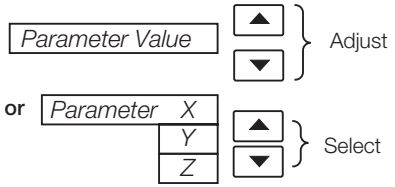


Sideways Scroll



Down Scroll

Raise and Lower



Function Key

'Alarm acknowledge' or 'Home' — See *Programming Guide, 'Advanced Configuration'*

Pen Lift

Raises and lowers the chart pen.

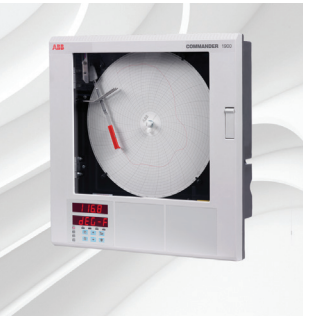
Note. All programming is carried out using the faceplate keys and displays.

ABB Limited
Measurement & Analytics
Howard Road, St. Neots
Cambridgeshire, PE19 8EU, UK
Tel: +44 (0)870 600 6122
Fax: +44 (0)1480 217948
Email: enquiries.mp.uk@gb.abb.com

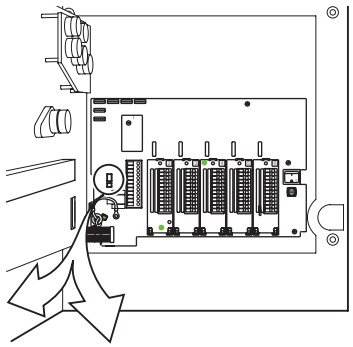
www.abb.com/measurement

IM/C1900-QR Rev. F 08.2019

C1900 recorder
Quick reference guide



Setting analog input links



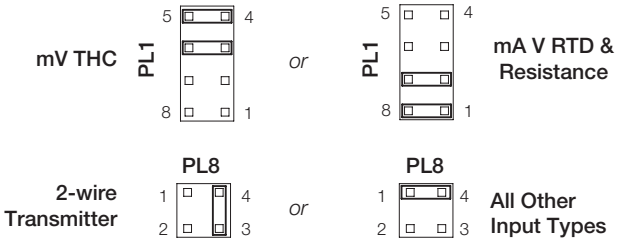
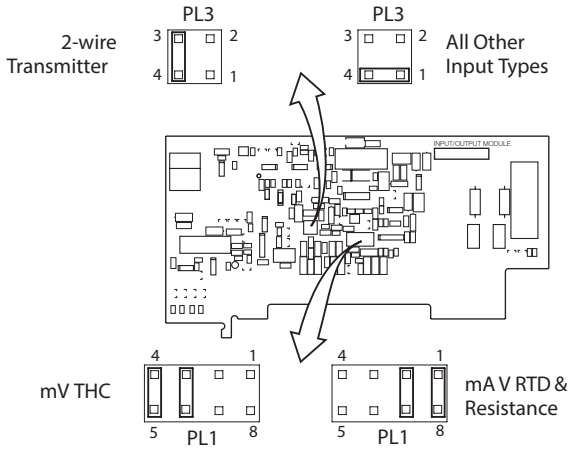


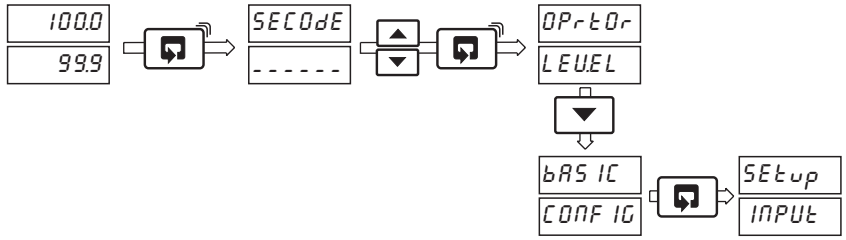
Fig. 1 Input Links – Channel 1



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

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

Configuring analog inputs



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

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

Select Channel – Choose the input channel to be configured

Input type – _A_P (mA), U.OLt (V), _ULt (mV), tCPL (Thermocouple), rtd (RTD) and LO OH (< 750 Ohms) HI OH (> 750 Ohms).

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

Range High: For a 4 to 20mA current input, set this to 20.00, or for 0 to 5V, set to 5.0. The frame does not appear if tCPL or rtd are used.

Range Low: Set the low end of the electrical input range, e.g. 4.00, for 4 to 20mA, or 0.0 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.

Decimal Point: Select the decimal point position for the process variable, e.g. 300.0.

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 0.0.

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.