

APPENDIX F

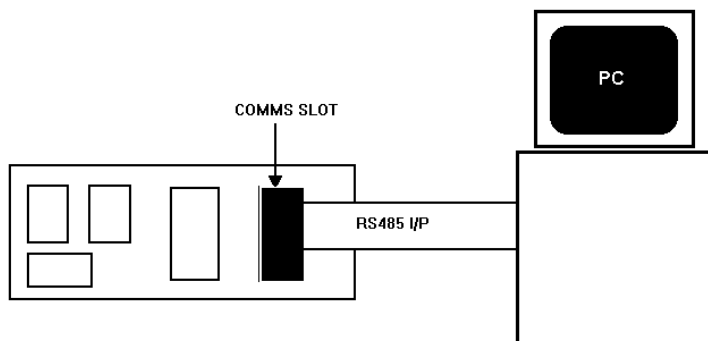
CONFIGURATION USING RCP

The unit, as supplied from the factory, is configured for a 4-20mA current sensor, 0-100 in engineering units. This is a popular configuration which may be suitable for your application.

If different settings are required then configuration is necessary. This can be done in two ways, one way is to configure each unit from the front panel, or alternatively to transmit the data down to all the units via the comms cable. This is a more user friendly way to program multiple units as the settings can be programmed to all the units simultaneously.

Configuration is a simple process by which the desired settings are selected on a computer and downloaded via the serial port to the unit or units. As soon as downloading is complete, the unit takes on the new configuration and stores the parameters in non-volatile memory. The unit may be configured many times, but once programmed, the 'personality' of the instrument remains fixed, even if the power is removed.

Configuration is done by using a PC running Remote Configuration Package via a comms lead, see wiring section in the manual for wiring the comms lead.



The RCP software package allows access to all instrument parameter settings on one screen (as shown below). These settings can be changed by either editing the default screen, uploading from another instrument, or from a file containing the required settings previously saved.

To edit the settings on the screen, a mouse or keyboard may be used. When using a mouse (it is important the ports are correctly defined) the user can move around the screen and click onto the parameter which is to be changed.

Using the keyboard the TAB key is used to cycle around the parameter areas. The arrow keys will move the high lighted parameter within the area, the Enter key is used to select the parameter which requires editing.

When the edited screen has been updated the parameters can then be downloaded to the instrument. Also the edited parameters may be saved to file for use at a later date.

File	Edit	Device	Password	Quit
INPUTS				
Sensor Range	50mV			
Units	UNITS			
Display Res	XXX.X			
Filter	2 Secs			
Jumpout	1%			
LED/RELAY ALARM				
Action	OFF	1	2	3
Latch	FALSE	FALSE	FALSE	FALSE
Setpoint	0000.0	0000.0	0000.0	0000.0
Hysteresis	000.00	000.00	000.00	000.00
Deviation	NONE	NONE	NONE	NONE
Sense	NONINU	NONINU	NONINU	NONINU
Delay	OFF	OFF	OFF	OFF
Watchdog	OFF	OFF	OFF	OFF
CURRENT RE-TX 1				
Span	4-20mA			
Type	RETRAN			
Low Range	0000.0			
High Range	1000.0			
Preset	500.0			
VOLTAGE OUTPUT 1				
VOLTS 2.5 V				
CURRENT RE-TX 3				
Span	4-20mA			
Type	RETRAN			
Low Range	0000.0			
High Range	1000.0			
Preset	500.0			
VOLTAGE OUTPUT 3				
VOLTS 5 V				