

Configuration Data File

The manipulation of the bits from this file is normally done with programming software (e.g. RSLogix 500, RSNetworkx for DeviceNet, etc.) during initial configuration of the system. In that case, graphical screens are provided by the programming tool to simplify configuration. However, some systems, like the 1769-ADN DeviceNet Adapter, also allow the bits to be altered as part of the control program, using communication rungs. In that case, it is necessary to understand the bit arrangement. Refer to the *Compact™ RTD/resistance Input Module User Manual*, publication number 1769-UM005A-EN-P for additional details.

Words 0 to 5 of the configuration file allow you to change the parameters of each channel independently. For example, word 0 corresponds to channel 0, word 1 to channel 1, etc. The functional arrangement of the bits is shown below for a single word/channel.

To Select		Make these bit settings															
		15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Filter Frequency	10 Hz														1	1	0
	60 Hz														0	0	0
	50 Hz														0	0	1
	250Hz														0	1	1
	500 Hz														1	0	0
	1 kHz														1	0	1
Excitation Current	1.0 mA													0			
	0.5 mA													1			
Cyclic Lead Compensation	Enable												0				
	Disable												1				
Open-circuit/ Broken Input	Upscale										0	0					
	Downscale										0	1					
	Last State										1	0					
	Zero										1	1					
Temperature Units Mode	°C								0								
	°F								1								