



High Speed Counter Modules with PLS Outputs

UTI/O System supports two High Speed 24 bit Counter Modules with PLS outputs that accept quadrature encoder inputs. The PLS outputs compare the counter value to two on/off presets and turn on outputs within 100µs of position change. Presets can be loaded into the counter modules from UTPLC. All inputs and outputs are optically isolated. In addition, PLS outputs are 0.5A short circuit proof DC outputs.

The counters have various preset/reset and inhibit modes as shown on the following page.

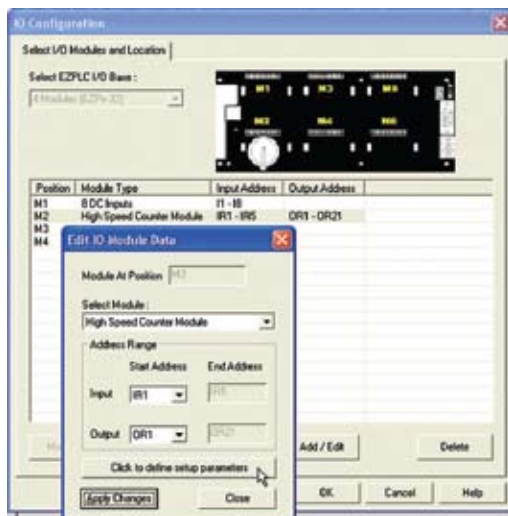
Conformal Coated



UTIO-HSCM1
UTIO-HSCM2

Configuring your High Speed Counter Module is UTier than Ever!

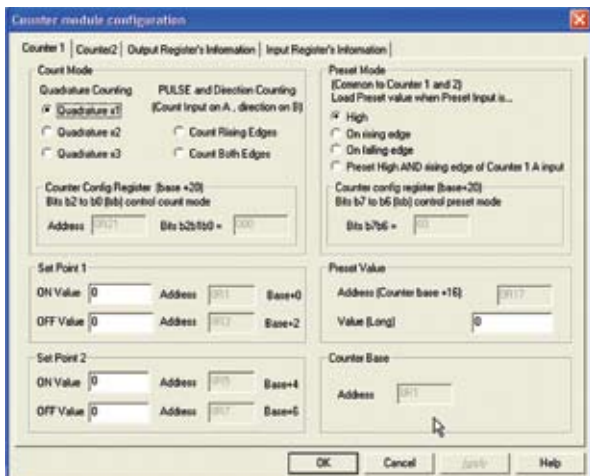
1 In UTPLC's I/O configuration specify the range of registers to be used for input and output.



2 Counter Pin Out	
Pin No.	UTIO-HSCM1 (dual counter)
1	Quad A encoder 1
2	Quad B encoder 1
3	Quad A encoder 2
4	Quad B encoder 2
5	Common
6	Preset
7	Counter 1 Output 1
8	Counter 1 Output 2
9	Counter 2 Output 1
10	Counter 2 Output 2
11	Vs+

1 Counter Pin Out	
Pin No.	UTIO-HSCM2 (single counter)
1	Quad A encoder 1
2	Quad B encoder 1
3	Inhibit
4	Reset
5	Common
6	Preset
7	Counter 1 Output 1
8	Counter 1 Output 2
9	Counter 1 Output 3
10	Counter 1 Output 4
11	Vs+

2 Configure pulse, direction, quadrature counting, set points, preset values and preset mode



3 Detailed information for input and output registers

