

### *Description of Option:*

This option gives the iPCE-2 Controller the ability to output both position values simultaneously. Outputs 1 through 12 are for transducer 1, outputs 13-24 are for transducer 2. Maximum position resolution, (Scale Factor parameter) is limited to 1000 counts per turn.

### *Keyboard Changes and Additions*

There are no keyboard changes or additions with this option.

### *Programming Changes and Additions*

The only programming change involves the Scale Factor. Maximum Scale Factor value is 1000 counts per turn, not 1024 as with the standard iPCE2.

### *Hardware Connections*

The table below gives the J1 pin assignments.

PIN	Description	PIN	Description	PIN	Description	PIN	Description
1	Input 2	11	T2 - Bit2	21	OE	31	T1 - Bit5
2	Input 3	12	Input 5	22	NC	32	T2 - Bit8
3	Input 1	13	T2 - Bit3	23	T2 - Bit11	33	T1 - Bit4
4	Input 4	14	Vn	24	NC	34	T2 - Bit9
5	T2 - Bit1	15	T1 - Bit10	25	T1 - Bit8	35	T1 - Bit3
6	Input 8	16	GND	26	T2 - Bit5	36	T2 - Bit10
7	T1 - Bit12	17	T1 - Bit9	27	T1 - Bit7	37	T1 - Bit2
8	Input 7	18	NC	28	T2 - Bit6	38	MD
9	T1 - Bit11	19	T2-Bit4	29	T1 - Bit6	39	T1 - Bit1
10	Input 6	20	NC	30	T2 - Bit7	40	T2 - Bit12

#### **Notes:**

T1 - Transducer 1

T2 - Transducer 2

NC - No Connection

MD - Motion Detector Output.

OE - Output Enable. Must be grounded for normal operation.

Vn - Internal unregulated +12 Vdc Supply on units with Sinking and TTL outputs. Can be used as a logic "1" supply for the inputs. Connection for external +5 to +50 Vdc supply for Sourcing output units.

GND - Ground Connection. **WARNING:** This point is also internally tied to chassis ground.

### *Model Number and Checksum*

A controller with this option displays the following model number and checksum:

Model #: IPCE2-30-0

Checksum: 4765

Catalog Number E230-B93M