I-Mark Series-2 Connections & Setup Guide

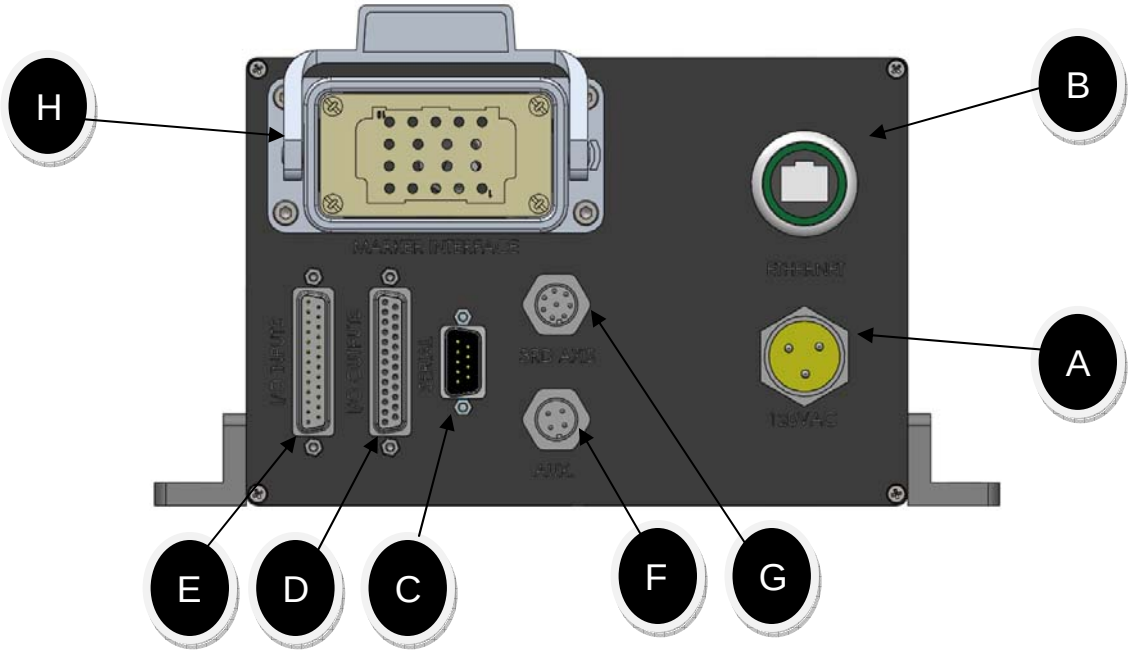

TABLE 1.0

ITEM	DESCRIPTION	TABLE
A	POWER CONNECTOR	1.1
B	ETHERNET CONNECTION	1.2
C	SERIAL DATA PORT	1.3
D	I/O OUTPUT CONNECTION PORT	1.4
E	I/O INPUT CONNECTION PORT	1.5
F	AUX. OUTPUT CONNECTOR (RESERVED)	CONTACT FACTORY
G	Z-AXIS CONNECTOR (OPTIONAL)	CONTACT FACTORY
H	MARKING HEAD INTERFACE CONNECTION	CONTACT FACTORY

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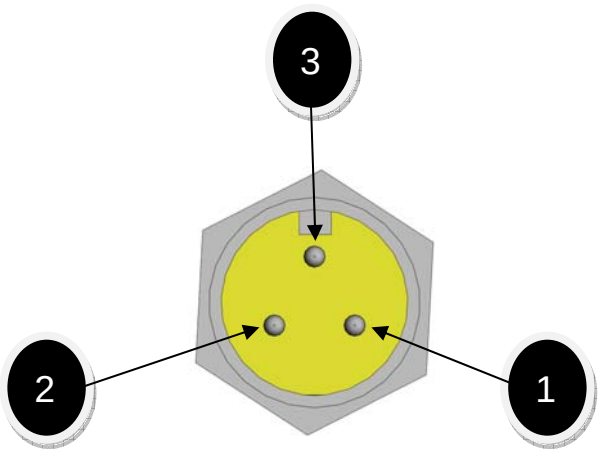

TABLE 1.1 POWER CONNECTOR

PIN	CONNECTION
1	LINE
2	NEUTRAL
3	GROUND
NOTE: The I-Mark Series-2 Controller Requires 120vac power and may draw up to 7.2a depending on the marking head you are controlling.	

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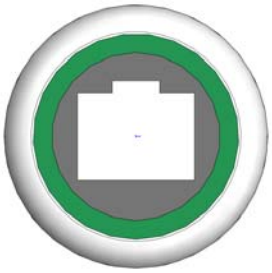

TABLE 1.2 ETHERNET CONNECTION

PIN	DESCRIPTION
1	ORANGE PAIR-2
2	
3	GREEN PAIR-3
4	
5	
6	
7	BROWN PAIR-4
8	

Note: the I-Mark Control can operate using a Static IP address or using DHCP mode. When connecting to the I-Mark control via a switch or network you should use a standard CAT5e cable. If connecting the I-Mark control directly to a PC or laptop you will need to use a CAT5e crossover cable.

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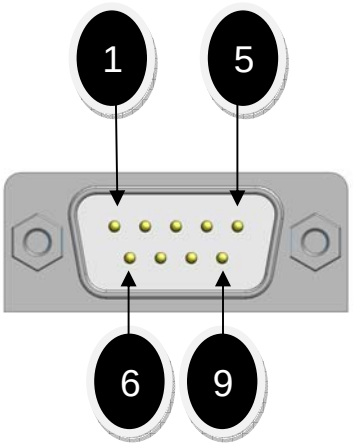

TABLE 1.3 SERIAL DATA PORT

PIN	RS232	PARAMETERS	
1	DCD	BAUDRATE	115200
2	RxD	FLOW CONTROL	NONE
3	TxD	PARITY	NONE
4	DTR	DATA BITS	8
5	GND	STOP BIT	1
6	DSR	NOTE: SEE EXAMPLE BELOW FOR SAMPLE STRING FORMAT.	
7	RTS		
8	CTS		

STRING FORMAT FOR SENDING ASCII DATA TO I-Mark PLACEHOLDER
NOTE: YOU CAN EDIT STRING CONFIGURATION IN I-MARK Config Tab

[:] “DATA TO BE MARKED” [CRLF]

START OF STRING

DATA TO BE PRINTED BY MARKING HEAD

END OF STRING

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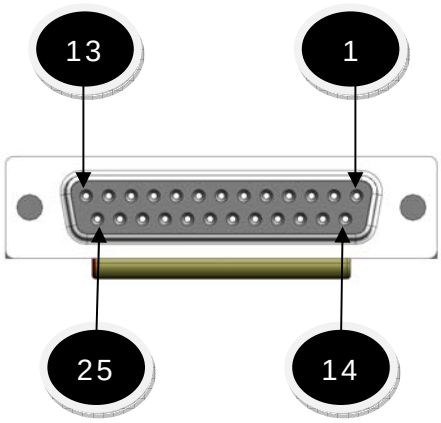

TABLE 1.4 I/O OUTPUT CONNECTIONS

PIN	DESCRIPTION
1	[24VDC] Common (Customer to supply.)
2	[0VDC] Common (Customer to supply.)
3	READY
4	MARKING
5	CYCLE COMPLETE
6	FAULTED
7	USER OUTPUT (programmable)
8	USER OUTPUT (programmable)
9	USER OUTPUT (programmable)
10	USER OUTPUT (programmable)
11	AUX. [24VDC] (.5a MAX)
12	AUX [0VDC] (.5a MAX)
13-25	RESERVED
Note: 80ma max draw per output	

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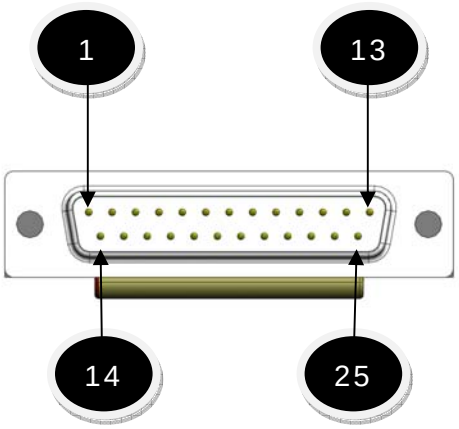

TABLE 1.5 I/O INPUT CONNECTIONS

PIN	DESCRIPTION
1	[0VDC] Common (pins 2-4) (Customer to supply.)
2	START
3	RESET
4	SELECT BIT-1 (BINARY)
5	SELECT BIT-2 (BINARY)
6	SELECT BIT-3 (BINARY)
7	SELECT BIT-4 (BINARY)
8	USER INPUT (programmable)
9	USER INPUT (programmable)
10	[0VDC] Common (5-9) (Customer to supply.)
13	E-Stop (must be held high for normal operation when this option is enabled)