Errata Sheet

This Errata Sheet contains corrections or changes made after the publication of this manual.

Product Family:	DirectLOGIC PLCs	**Date**:	January 2019
Manual Number	H24-EBC-M		
Revision and Date	3rd Ed., Rev. A, May 2014		

Changes to Chapter 2. Installing the H2-EBC(100), H2-EBC-F or H4-EBC(-F)

Page 2-2. Setting the Module ID; Setting the Module ID with DIP Switches

Add the following to this section:

This table describes the DIP switch settings for the various EBC modules.

Module Type	Release Version	Dipswitch							
		7	6	5	4	3	2	1	0
H2-EBC H2-EBC-F	v2.1.80	Not used		Module ID					
H2-EBC100	v4.0.477	Not used		Module ID					
	v4.0.490	Not used	Recover	Module ID					
H4-EBC H4-EBC-F	v2.1.1	Not used		Module ID					

Recover - Dipswitch used to reset IP settings back to factory default on power-up in case device is lost on network.
Module ID - Bit-weighted for manual setting of this parameter.

Changes to Apppendix A. General Specifications

Page A-2. H2 Series and H4 Series EBC Specifications

In the top table, change the "Serial Port (RJ12)" specification in the third column for the H2-EBC100 to read:

"K-Sequence, ASCII IN/OUT, Modbus RTU, Provides 5V 220mA"

Page A-2. Serial Port Specifications

In this table change the description for pin 2 to read:

"5V Power Out, 220 mA"

Appendix A General Specifications

A

In This Appendix

- H2 Series and H4 Series EBC Specifications
- Serial Port Specifications
- Ethernet Standards

H2 Series and H4 Series EBC Specifications

Specifications	H2-EBC	H2-EBC100	H2-EBC-F
Communications	10Base-T Ethernet	10/100BaseT Ethernet	10Base-FL Ethernet
Data Transfer Rate	10Mbps max.	100Mbps max.	10Mbps max.
Link Distance	100 meters (328 ft)	100 meters (328 ft)	2,000 meters (6,560 ft)
Ethernet Port	RJ45	RJ45	ST-style fiber optic
Ethernet Protocols	TCP/IP, IPX	TCP/IP, IPX, MODBUS TCP/IP	TCP/IP, IPX
Serial Port (RJ12)	K-sequence, ASCII	~~K-sequence, ASCII, MODBUS RTU~~	K-sequence, ASCII
Power Consumption	320mA	350mA	450mA
Manufacturer	Host Automation Prods	Host Automation Prods	Host Automation Prods

Change to:
"K-Sequence, ASCII IN/OUT, Modbus RTU, Provides 5V 220 mA"

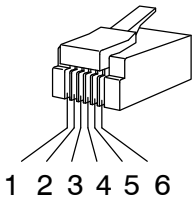
See Errata Sheet at the beginning of this file for updates to this page.

Specifications	H4-EBC	H4-EBC-F
Communications	10BaseT Ethernet	10BaseFL Ethernet
Data Transfer Rate	10Mbps	10Mbps
Link Distance	100 meters (328 ft)	2,000 meters (6,560 ft)
Ethernet Port	RJ45	ST-style fiber optic
Ethernet Protocols	TCP/IP, IPX	TCP/IP, IPX
Serial Port (RJ12)	K-sequence, ASCII	K-sequence, ASCII
Power Supplied	3680mA @ 5VDC	3550mA @ 5VDC
	400mA @ 24VDC	400mA @ 24VDC
Manufacturer	Host Automation Prods	Host Automation Prods

Serial Port Specifications

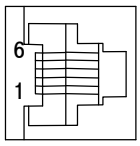
Serial Port Pin Descriptions		
1	0V	Power (-) connection (GND)
2	5V	~~Power (+) connection~~
3	RXD	Receive Data (RS232C)
4	TXD	Transmit Data (RS232C
5	RTS	Request to Send
6	0V	Power (-) connection (GND)

Change to:
"Power Out, 220 mA"



6-pin Male (RJ12)
Modular Plug

6-pin Female (RJ12)
Modular Jack
as oriented on EBC



Ethernet Standards

Various institutes and committees have been involved in establishing Ethernet data communication standards. These specification standards assure Ethernet network compatibility for products from a broad variety of manufacturers.

The EBC module complies with American National Standards Institute (ANSI) and Institute of Electrical and Electronic Engineers standard ANSI/IEEE 802.3, Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Methods and Physical Layer Specifications. This standard has been adopted by the International Organization for Standardization (ISO) as document ISO/IEC 8802-3.

The Electronic Industries Association (EIA) and Telecommunications Industries Commercial Building Telecommunications Wiring Standard designated EIA/TIA-568A defines implementation of 10BaseT (twisted pair) and 10BaseF (fiber optics) for Ethernet communications.

The same two organizations produced EIA/TIA TSB40-Additional Transmission Specifications for Unshielded Twisted-Pair Connecting Hardware. The purpose of this document is to specify transmission performance requirements and connecting hardware requirements.