

M-7024 Module Release Note

The functionality of the M-7024 is the same as the I-7024. The M-7024 supports both the DCON and Modbus RTU protocols. Only one protocol is supported at a time and the default protocol is the Modbus RTU.

Default Settings

Default settings for M-7024 are:

- Protocol: Modbus RTU
- Module Address: 01
- Baud Rate: 9600 bps
- Type Code: 32, 0 to 10V

INIT Mode

When the module is powered on with the INIT terminal connected to the GND terminal, the module is in INIT mode and the settings are:

- Protocol: DCON
- Module Address: 00
- Baud Rate: 9600 bps
- No checksum

Address Mapping

Address	Channel	Description	Attribute
40001	0	Analog output value	R/W
40002	1	Analog output value	R/W
40003	2	Analog output value	R/W
40004	3	Analog output value	R/W
40193	0	Power on output value	R/W
40194	1	Power on output value	R/W
40195	2	Power on output value	R/W
40196	3	Power on output value	R/W

M-7024 Module Release Note

Output Types

Type Code	Output Range	Data Format	+F.S.	-F.S.
30	0 to 20 mA	Engineering	+20.000	+00.000
		Hexadecimal	3FFF	0000
31	4 to 20 mA	Engineering	+20.000	+04.000
		Hexadecimal	3FFF	0000
32	0 to +10 V	Engineering	+10.000	+00.000
		Hexadecimal	3FFF	0000
33	-10 to +10 V	Engineering	+10.000	-10.000
		Hexadecimal	3FFF	C000
34	0 to +5 V	Engineering	+05.000	+00.000
		Hexadecimal	3FFF	0000
35	-5 to +5 V	Engineering	+05.000	-05.000
		Hexadecimal	3FFF	C000

Note: Only hexadecimal data format is supported for Modbus RTU protocol.

For other Modbus commands please refer to Chapter 3 of the manual at

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/manual/7017-18-19_english.pdf

Section	Description
3.3.1	Read the module name
3.3.2	Set the module address
3.3.3	Read the communication settings
3.3.4	Set the communication settings
3.3.5	Read the type code
3.3.6	Set the type code
3.3.7	Read the firmware version

M-7024 Module Release Note

Notes:

1. This release note is valid only for the M-7024 module.
2. The terminal assignment and the wiring are the same as those of the I-7024.
3. The user's manual and the software utility can be downloaded from the ICP DAS web site <http://www.icpdas.com>.

DOS Software Installation:

- CD \NAPDOS\ 7000\NAP7000S
(→ for 7000 and 87K modules)
Install

Windows Software Installation:

- autorun the companion CD
- Toolkits(Softwares)/Manual
- 7000/8000 series toolkits
- Install 7000 Utility for Windows95/98/2000/XP/NT or other

Technical Service:

- Email problem report to service@icpdas.com if you have any questions.

M-7024 Module Release Note

Problem Report Items:

When reporting problems, please include the following information:

- 1) Is the problem reproducible? If yes, how to reproduce?
- 2) What kind and version of platform you are using?
For example, Windows 98 SE, Windows ME, Windows XP Professional, etc.
- 3) What kind of our products that you are using?
Please see the product's manual .
- 4) If a dialog box with an error message was displayed, please include the full text of the dialog box, including the text in the title bar.
- 5) If the problem involves other programs or hardware devices, what devices or version of the failing programs that you are using?
- 6) Other comments relative to this problem or any suggestions will be welcome.

After we have received your comments, we will take about two business days to test the problems that you described. And then reply to you as soon as possible. Please resend the problem report if you do not get response from us in three days and please keep contact with us.