

Modbus sensor connector type digital remote I/O

ARM Series

User Manual for Communication



ARM Series

Preface





Thank you for purchasing an Autonics product.

Please store this manual in a place where user can find easily, because it contains the guidance for the product and how to correctly use it.

User Manual Guide


- Please familiarize yourself with the information in this manual before using the product.
- This manual provides detailed information on the product's features. It does not offer any guarantee concerning matters beyond the scope of this manual.
- This manual may not be edited or reproduced in either part or whole without permission.
- A user manual is not provided as part of the product package. Please visit our home-page (www.autonics.com) to download a copy.
- The manual's content may vary depending on changes to the product's software and other unforeseen developments within Autonics, and is subject to change without prior notice. Upgrade notice is provided through our homepage.
- We contrived to describe this manual more easily and correctly. However, if there are any corrections or questions, please notify us these on our homepage.


User Manual Symbols

| Symbol | Description |
|--|--|
|  Note | Supplementary information for a particular feature. |
|  Warning | Failure to follow instructions can result in serious injury or death. |
|  Caution | Failure to follow instructions can lead to a minor injury or product damage. |
|  Ex. | An example of the concerned feature's use. |
| ※1 | Annotation mark. |

Safety Precautions

- Following these safety precautions will ensure the safe and proper use of the product and help prevent accidents and minimize hazards.
- Safety precautions are categorized as Warnings and Cautions, as defined below:

| | | |
|--|----------------|---|
|  Warning | Warning | Cases that may cause serious injury or fatal accident if instructions are not followed. |
|--|----------------|---|

| | | |
|--|----------------|---|
|  Caution | Caution | Cases that may cause minor injury or product damage if instructions are not followed. |
|--|----------------|---|

Warning

- In case of using this unit with machinery (Ex: nuclear power control, medical equipment, ship, vehicle, train, airplane, combustion apparatus, safety device, crime/disaster prevention equipment, etc) which may cause damages to human life or property, it is required to install fail-safe device.
It may cause a fire, human injury or property loss.
- Do not connect, inspect or repair when power is on.
It may cause a fire or give an electric shock.
- Do not disassemble the product. Please contact us if it is required.
It may cause a fire or give an electric shock.
- Do not insert metallic substance into the unit.
It may cause an electric shock or cause a fire, malfunction.

Caution

- This unit shall not be used outdoors.
It might shorten the life cycle of the product or give an electric shock.
- Do not use this unit in place where flammable or explosive gas exists.
It may cause a fire or explosion.
- Do not use or store in a place with shock or vibration.
It may cause malfunction
- Please connect power terminal and communication wire exactly after checking the connection diagram.
It may cause a fire and malfunction.
- Tighten communication cable connector as tight as possible for stable cable connection.
In case of unstable cable connections, it may cause serious communication or network malfunction.
- In cleaning unit, do not use water or an oil-based detergent and use dry towels.
It may cause an electric shock or a fire.
- Please observe the rated specification.
It might shorten the life cycle of the product and cause a electric shock or human injury.
- Please separate as an industrial waste when disuse this unit.

※ The specifications and dimensions of this manual are subject to change without any notice.

Table of Contents

| | |
|--|-----------|
| Preface | iii |
| User Manual Guide | iv |
| User Manual Symbols | v |
| Safety Precautions | vi |
| Table of Contents | viii |
| 1 Modbus RTU protocol..... | 9 |
| 1.1 Read Coil Status(Func 01–01H)..... | 9 |
| 1.2 Read Input Status(Func 02–02H)..... | 10 |
| 1.3 Read Holding Registers(Func 03–03H) | 11 |
| 1.4 Read Input Registers(Func 04–04H)..... | 12 |
| 1.5 Preset Single Registers(Func 06–06H)..... | 13 |
| 1.6 Preset Multiple Registers(Func 16–10H) | 14 |
| 1.7 Exception Response-Error Code..... | 15 |
| 2 Modbus Mapping Table..... | 17 |
| 2.1 Read Coil Status(Func: 01, RW: R/W) | 17 |
| 2.2 Read Input Status (Func: 02, RW: R)..... | 19 |
| 2.3 Read Input Register (Func: 04, RW: R) | 21 |
| 2.4 Read Holding Register (Func: 03)..... | 25 |

1 Modbus RTU protocol

1.1 Read Coil Status(Func 01-01H)

Reads output(OX reference, Coil) ON/OFF status in the Slave device.

(1) Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

← CRC16 →

(2) Response (Slave)

| Slave Address | Function | Byte Count | Data | Data | Data | Error Check(CRC16) | |
|---------------|----------|------------|--------|--------|--------|--------------------|-----------|
| | | | (Data) | (Data) | (Data) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

← CRC16 →

If reading the output status(ON: 1, OFF: 0) of 10EA within coil 000001(0000 H) to 000010(0009 H) on Slave (Address 17) from Master.

▪ Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 01 H | 00 H | 00 H | 00 H | 0A H | ## H | ## H |

If the values range from coil 000008(0007 H) to 000001(0000 H) on the slave are "ON-ON-OFF-OFF-ON-ON-OFF-ON", and the values from 000010(0009 H) to 000009(0008 H) are respectively "OFF-ON".

▪ Response (Slave)

| Slave Address | Function | Byte Count | Data | Data | Error Check(CRC16) | |
|---------------|----------|------------|------------------|------------------|--------------------|-----------|
| | | | (00008 to 00001) | (00010 to 00009) | Lo(Lower) | Hi(Upper) |
| 11 H | 01 H | 02 H | CD H | 01 H | ## H | ## H |

1.2 Read Input Status(Func 02-02H)

Reads Input ON/OFF status(1X reference) in Slave device.

(1) Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

(2) Response (Slave)

| Slave Address | Function | Byte Count | Data (Data) | Data (Data) | Data (Data) | Error Check(CRC16) | |
|---------------|----------|------------|-------------|-------------|-------------|--------------------|-----------|
| | | | | | | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

If reading the input status(ON: 1, OFF: 0) of 10EA range 100001(0000 H)to100010(0009 H)in the Slave(Address 17) from the Master.

- Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 02 H | 00 H | 00 H | 00 H | 0A H | ## H | ## H |

If the values range 100008(0007 H) to 100001(0000 H) on slave are “ON-ON-OFF-OFF-ON-ON-OFF-ON”, and the values of 100010(0009 H) to 100009(0008 H) are respectively “OFF-ON”.

- Response (Slave)

| Slave Address | Function | Byte Count | Data (00008 to 00001) | Data (00010 to 00009) | Error Check(CRC16) | |
|---------------|----------|------------|-----------------------|-----------------------|--------------------|-----------|
| | | | | | Lo(Lower) | Hi(Upper) |
| 11 H | 02 H | 02 H | CD H | 01 H | ## H | ## H |

1.3 Read Holding Registers(Func 03–03H)

Reads the Binary data of Holding Registers(4X reference) in Slave device.

(1) Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

(2) Response (Slave)

| Slave Address | Function | Byte Count | Data(Data) | | Data(Data) | | Data(Data) | | Error Check(CRC16) | |
|---------------|----------|------------|------------|-----------|------------|-----------|------------|-----------|--------------------|-----------|
| | | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

If reading the values of 2EA, from Holding Register 400001(0000 H) to 400002(0001 H), in Slave(Address 17) from the Master.

▪ Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 03 H | 00 H | 00 H | 00 H | 02 H | ## H | ## H |

If the value of 400001(0000 H) on Slave is “555(22B H)” and the value of 400002(0001 H) is “100(64 H)”.

▪ Response (Slave)

| Slave Address | Function | Byte Count | Data(Data) | | Data(Data) | | Error Check(CRC16) | |
|---------------|----------|------------|------------|-----------|------------|-----------|--------------------|-----------|
| | | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 03 H | 04 H | 02 H | 2B H | 00 H | 64 H | ## H | |

1.4 Read Input Registers(Func 04-04H)

Reads the Binary data of Input Registers(3X reference) in Slave device.

(1) Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

(2) Response (Slave)

| Slave Address | Function | Byte Count | Data | Data | Data | Error Check(CRC16) | |
|---------------|----------|------------|-------|-------|-------|--------------------|-----------|
| | | | | | | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

If reading the values of 2EA range from Input Register 300001(0000 H) to 300002(0001 H) on Slave (Address 17) from Master.

▪ Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 04 H | 00 H | 00 H | 00 H | 02 H | ## H | ## H |

If the values of 300001(0000 H) on Slave is "10(A H)" and the values of 300002(0001 H) on Slave is "20(14 H)".

▪ Response (Slave)

| Slave Address | Function | Byte Count | Data(Data) | | Data(Data) | | Error Check(CRC16) | |
|---------------|----------|------------|------------|-----------|------------|-----------|--------------------|-----------|
| | | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 04 H | 04 H | 00 H | 0A H | 00 H | 14 H | ## H | ## H |

1.5 Preset Single Registers(Func 06-06H)

Writes the Binary data of single Holding Registers (4X reference) in Slave device.

(1) Query (Master)

| Slave Address | Function | Register Address | | Preset Data(Data) | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|-------------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

← CRC16 →

(2) Response (Slave)

| Slave Address (국번) | Function (명령) | Register Address | | Preset Data(Data) | | Error Check(CRC16) | |
|-----------------------|------------------|------------------|-----------|-------------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

← CRC16 →

If writing "10(A H)" to Holding Register 40001(0000 H) on Slave(Address 17) from Master.

▪ Query (Master)

| Slave Address | Function | Starting Address | | Preset Data(Data) | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|-------------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 06 H | 00 H | 00 H | 00 H | 0A H | ## H | ## H |

▪ Response (Slave)

| Slave Address | Function | Starting Address | | Preset Data(Data) | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|-------------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 06 H | 00 H | 00 H | 00 H | 0A H | ## H | ## H |

1.6 Preset Multiple Registers(Func 16-10H)

Writes the Binary data of Holding Registers (4X reference) consecutively in Slave device.

(1) Query (Master)

| Slave Address | Function | Starting Address | | No. of Register | | Byte Count | Data(Data) | | Data(Data) | | Error Check (CRC16) | |
|---------------|----------|------------------|------------|-----------------|------------|------------|------------|------------|------------|------------|---------------------|-------|
| | | Hi (Upper) | Lo (Lower) | Hi (Upper) | Lo (Lower) | | Hi (Upper) | Lo (Lower) | Hi (Upper) | Lo (Lower) | Lo | Hi |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

(2) Response (Slave)

| Slave Address | Function | Starting Address | | No. of Register | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|-----------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

If writing “10(A H)” in common to the range of Holding Register 400001(0000 H) to 400002(0001 H) on Slave(Address 17) from Master.

- Query (Master)

| Slave Address | Function | Starting Address | | No. of Register | | Byte Count | Data(Data) | | Data(Data) | | Error Check (CRC16) | |
|---------------|----------|------------------|------------|-----------------|------------|------------|------------|------------|------------|------|---------------------|------|
| | | Hi (Upper) | Lo (Lower) | Hi (Upper) | Lo (Lower) | | Hi (Upper) | Lo (Lower) | Lo | Hi | | |
| 11 H | 10 H | 00 H | 00 H | 00 H | 02 H | 04 H | 00 H | 0A H | 00 H | 0A H | ## H | ## H |

- Response (Slave)

| Slave Address | Function | Starting Address | | No. of Register | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|-----------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 10 H | 00 H | 00 H | 00 H | 02 H | ## H | ## H |

Please use the Single Register Write function rather than Multi Register Write function if you use the slave(device) connecting with external devices such as PLC, Graphic Panel, except in the case of download that presets the minimum/maximum or basic value of parameter by Input specifications in PC Loader Program.

1.7 Exception Response-Error Code

If occurs an error, send a response command and transmit each Exception Code after set(1) the highest-level bit of received command(Function).

| Slave Address | Function +80 H | Exception Code | Error Check(CRC16) | |
|---------------|-------------------|----------------|--------------------|-----------|
| | | | Lo(Lower) | Hi(Upper) |
| 1Byte | 1Byte | 1Byte | 1Byte | 1Byte |

←————— CRC16 —————→

- ILLEGAL FUNCTION (Exception Code: 01 H): A command that is not supported.
- ILLEGAL DATA ADDRESS (Exception Code: 02 H): Starting address of queried data is inconsistent with transmittable address from the device.
- ILLRGAL DATA VALUE (Exception Code: 03 H): Numbers of queried data are inconsistent with the numbers of transmittable (transferable) data from the device.
- SLAVE DEVICE FAILURE (Exception Code: 04 H): Not properly completed the queried command (order).

If reading the output status of non-existing coil 001001(03E8 H) [ON: 1, OFF: 0] on Slave(Address 17) from Master.

- Query (Master)

| Slave Address | Function | Starting Address | | No. of Points | | Error Check(CRC16) | |
|---------------|----------|------------------|-----------|---------------|-----------|--------------------|-----------|
| | | Hi(Upper) | Lo(Lower) | Hi(Upper) | Lo(Lower) | Lo(Lower) | Hi(Upper) |
| 11 H | 01 H | 03 H | E8 H | 00 H | 01 H | ## H | ## H |

- Response (Slave)

| Slave Address | Function +80 H | Exception Code | Error Check(CRC16) | |
|---------------|-------------------|----------------|--------------------|-----------|
| | | | Lo(Lower) | Hi(Upper) |
| 11 H | 81 H | 02 H | ## H | ## H |

2 Modbus Mapping Table

2.1 Read Coil Status(Func: 01, RW: R/W)

| No(Address) | Func | R/W | Parameter/ Parameter name | Description | Set range | Unit | Default | Note |
|--------------|-------|-----|------------------------------|--------------------------|----------------|------|---------|------|
| 000001(0000) | 01/05 | R/W | | POINT 1 DO Output Value | 0 : OFF 1 : ON | | | |
| 000002(0001) | 01/05 | R/W | | POINT 2 DO Output Value | 0 : OFF 1 : ON | | | |
| 000003(0002) | 01/05 | R/W | | POINT 3 DO Output Value | 0 : OFF 1 : ON | | | |
| 000004(0003) | 01/05 | R/W | | POINT 4 DO Output Value | 0 : OFF 1 : ON | | | |
| 000005(0004) | 01/05 | R/W | | POINT 5 DO Output Value | 0 : OFF 1 : ON | | | |
| 000006(0005) | 01/05 | R/W | | POINT 6 DO Output Value | 0 : OFF 1 : ON | | | |
| 000007(0006) | 01/05 | R/W | | POINT 7 DO Output Value | 0 : OFF 1 : ON | | | |
| 000008(0007) | 01/05 | R/W | | POINT 8 DO Output Value | 0 : OFF 1 : ON | | | |
| 000009(0008) | 01/05 | R/W | | POINT 9 DO Output Value | 0 : OFF 1 : ON | | | |
| 000010(0009) | 01/05 | R/W | | POINT 10 DO Output Value | 0 : OFF 1 : ON | | | |
| 000011(000A) | 01/05 | R/W | | POINT 11 DO Output Value | 0 : OFF 1 : ON | | | |
| 000012(000B) | 01/05 | R/W | | POINT 12 DO Output Value | 0 : OFF 1 : ON | | | |
| 000013(000C) | 01/05 | R/W | | POINT 13 DO Output Value | 0 : OFF 1 : ON | | | |
| 000014(000D) | 01/05 | R/W | | POINT 14 DO Output Value | 0 : OFF 1 : ON | | | |
| 000015(000E) | 01/05 | R/W | | POINT 15 DO Output Value | 0 : OFF 1 : ON | | | |
| 000016(000F) | 01/05 | R/W | | POINT 16 DO Output Value | 0 : OFF 1 : ON | | | |
| 000017(0010) | 01/05 | R/W | | POINT 17 DO Output Value | 0 : OFF 1 : ON | | | |
| 000018(0011) | 01/05 | R/W | | POINT 18 DO Output Value | 0 : OFF 1 : ON | | | |
| 000019(0012) | 01/05 | R/W | | POINT 19 DO Output Value | 0 : OFF 1 : ON | | | |
| 000020(0013) | 01/05 | R/W | | POINT 20 DO Output Value | 0 : OFF 1 : ON | | | |
| 000021(0014) | 01/05 | R/W | | POINT 21 DO Output Value | 0 : OFF 1 : ON | | | |
| 000022(0015) | 01/05 | R/W | | POINT 22 DO Output Value | 0 : OFF 1 : ON | | | |
| 000023(0016) | 01/05 | R/W | | POINT 23 DO Output Value | 0 : OFF 1 : ON | | | |
| 000024(0017) | 01/05 | R/W | | POINT 24 DO Output Value | 0 : OFF 1 : ON | | | |
| 000025(0018) | 01/05 | R/W | | POINT 25 DO Output Value | 0 : OFF 1 : ON | | | |
| 000026(0019) | 01/05 | R/W | | POINT 26 DO Output Value | 0 : OFF 1 : ON | | | |
| 000027(001A) | 01/05 | R/W | | POINT 27 DO Output Value | 0 : OFF 1 : ON | | | |
| 000028(001B) | 01/05 | R/W | | POINT 28 DO Output Value | 0 : OFF 1 : ON | | | |
| 000029(001C) | 01/05 | R/W | | POINT 29 DO Output Value | 0 : OFF 1 : ON | | | |
| 000030(001D) | 01/05 | R/W | | POINT 30 DO Output Value | 0 : OFF 1 : ON | | | |
| 000031(001E) | 01/05 | R/W | | POINT 31 DO Output Value | 0 : OFF 1 : ON | | | |
| 000032(001F) | 01/05 | R/W | | POINT 32 DO Output Value | 0 : OFF 1 : ON | | | |
| 000033(0020) | 01/05 | R/W | | POINT 33 DO Output Value | 0 : OFF 1 : ON | | | |
| 000034(0021) | 01/05 | R/W | | POINT 34 DO Output Value | 0 : OFF 1 : ON | | | |
| 000035(0022) | 01/05 | R/W | | POINT 35 DO Output Value | 0 : OFF 1 : ON | | | |
| 000036(0023) | 01/05 | R/W | | POINT 36 DO Output Value | 0 : OFF 1 : ON | | | |
| 000037(0024) | 01/05 | R/W | | POINT 37 DO Output Value | 0 : OFF 1 : ON | | | |
| 000038(0025) | 01/05 | R/W | | POINT 38 DO Output Value | 0 : OFF 1 : ON | | | |
| 000039(0026) | 01/05 | R/W | | POINT 39 DO Output Value | 0 : OFF 1 : ON | | | |
| 000040(0027) | 01/05 | R/W | | POINT 40 DO Output Value | 0 : OFF 1 : ON | | | |
| 000041(0028) | 01/05 | R/W | | POINT 41 DO Output Value | 0 : OFF 1 : ON | | | |

| No(Address) | Func | R/W | Parameter/ Parameter name | Description | Set range | Unit | Default | Note |
|----------------|-------|-----|------------------------------|--------------------------|----------------|------|---------|------|
| 000042(0029) | 01/05 | R/W | - | POINT 42 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000043(002A) | 01/05 | R/W | - | POINT 43 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000044(002B) | 01/05 | R/W | - | POINT 44 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000045(002C) | 01/05 | R/W | - | POINT 45 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000046(002D) | 01/05 | R/W | - | POINT 46 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000047(002E) | 01/05 | R/W | - | POINT 47 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000048(002F) | 01/05 | R/W | - | POINT 48 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000049(0030) | 01/05 | R/W | - | POINT 49 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000050(0031) | 01/05 | R/W | - | POINT 50 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000051(0032) | 01/05 | R/W | - | POINT 51 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000052(0033) | 01/05 | R/W | - | POINT 52 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000053(0034) | 01/05 | R/W | - | POINT 53 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000054(0035) | 01/05 | R/W | - | POINT 54 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000055(0036) | 01/05 | R/W | - | POINT 55 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000056(0037) | 01/05 | R/W | - | POINT 56 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000057(0038) | 01/05 | R/W | - | POINT 57 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000058(0039) | 01/05 | R/W | - | POINT 58 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000059(003A) | 01/05 | R/W | - | POINT 59 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000060(003B) | 01/05 | R/W | - | POINT 60 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000061(003C) | 01/05 | R/W | - | POINT 61 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000062(003D) | 01/05 | R/W | - | POINT 62 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000063(003E) | 01/05 | R/W | - | POINT 63 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000064(003F) | 01/05 | R/W | - | POINT 64 DO Output Value | 0 : OFF 1 : ON | - | | |
| 000065to000100 | | | Reserved | | | | | |

2.2 Read Input Status (Func: 02, RW: R)

| No(Address) | Func | R/W | Parameter/ Parameter name | Description | Set range | Unit | Default | Note |
|--------------|------|-----|------------------------------|-------------------------|----------------|------|---------|------|
| 100001(0000) | 02 | R | - | POINT 1 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100002(0001) | 02 | R | - | POINT 2 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100003(0002) | 02 | R | - | POINT 3 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100004(0003) | 02 | R | - | POINT 4 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100005(0004) | 02 | R | - | POINT 5 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100006(0005) | 02 | R | - | POINT 6 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100007(0006) | 02 | R | - | POINT 7 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100008(0007) | 02 | R | - | POINT 8 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100009(0008) | 02 | R | - | POINT 9 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100010(0009) | 02 | R | - | POINT 10 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100011(000A) | 02 | R | - | POINT 11 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100012(000B) | 02 | R | - | POINT 12 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100013(000C) | 02 | R | - | POINT 13 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100014(000D) | 02 | R | - | POINT 14 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100015(000E) | 02 | R | - | POINT 15 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100016(000F) | 02 | R | - | POINT 16 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100017(0010) | 02 | R | - | POINT 17 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100018(0011) | 02 | R | - | POINT 18 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100019(0012) | 02 | R | - | POINT 19 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100020(0013) | 02 | R | - | POINT 20 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100021(0014) | 02 | R | - | POINT 21 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100022(0015) | 02 | R | - | POINT 22 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100023(0016) | 02 | R | - | POINT 23 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100024(0017) | 02 | R | - | POINT 24 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100025(0018) | 02 | R | - | POINT 25 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100026(0019) | 02 | R | - | POINT 26 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100027(001A) | 02 | R | - | POINT 27 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100028(001B) | 02 | R | - | POINT 28 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100029(001C) | 02 | R | - | POINT 29 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100030(001D) | 02 | R | - | POINT 30 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100031(001E) | 02 | R | - | POINT 31 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100032(001F) | 02 | R | - | POINT 32 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100033(0020) | 02 | R | - | POINT 33 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100034(0021) | 02 | R | - | POINT 34 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100035(0022) | 02 | R | - | POINT 35 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100036(0023) | 02 | R | - | POINT 36 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100037(0024) | 02 | R | - | POINT 37 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100038(0025) | 02 | R | - | POINT 38 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100039(0026) | 02 | R | - | POINT 39 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100040(0027) | 02 | R | - | POINT 40 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100041(0028) | 02 | R | - | POINT 41 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100042(0029) | 02 | R | - | POINT 42 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100043(002A) | 02 | R | - | POINT 43 DI Input Value | 0 : OFF 1 : ON | - | | |

| No(Address) | Func | R/W | Parameter/ Parameter name | Description | Set range | Unit | Default | Note |
|----------------|------|-----|------------------------------|-------------------------|----------------|------|---------|------|
| 100044(002B) | 02 | R | - | POINT 44 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100045(002C) | 02 | R | - | POINT 45 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100046(002D) | 02 | R | - | POINT 46 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100047(002E) | 02 | R | - | POINT 47 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100048(002F) | 02 | R | - | POINT 48 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100049(0030) | 02 | R | - | POINT 49 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100050(0031) | 02 | R | - | POINT 50 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100051(0032) | 02 | R | - | POINT 51 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100052(0033) | 02 | R | - | POINT 52 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100053(0034) | 02 | R | - | POINT 53 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100054(0035) | 02 | R | - | POINT 54 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100055(0036) | 02 | R | - | POINT 55 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100056(0037) | 02 | R | - | POINT 56 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100057(0038) | 02 | R | - | POINT 57 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100058(0039) | 02 | R | - | POINT 58 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100059(003A) | 02 | R | - | POINT 59 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100060(003B) | 02 | R | - | POINT 60 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100061(003C) | 02 | R | - | POINT 61 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100062(003D) | 02 | R | - | POINT 62 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100063(003E) | 02 | R | - | POINT 63 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100064(003F) | 02 | R | - | POINT 64 DI Input Value | 0 : OFF 1 : ON | - | | |
| 100065to100100 | | | Reserved | | | | | |

2.3 Read Input Register (Func: 04, RW: R)

| No(Address) | Func | R/W | Parameter/ Parameter name | Description | Set range | Unit | Default | Note | |
|---------------|------|-----|------------------------------|--------------------------------|-----------|------|---------|--|--|
| 300001(0000) | 04 | R | - | Input #1,2 | - | - | - | | |
| 300002(0001) | 04 | R | - | Input #3,4 | - | - | - | | |
| 300003(0002) | 04 | R | - | Input #5,6 | - | - | - | | |
| 300004(0003) | 04 | R | - | Input #7,8 | - | - | - | | |
| 300005to30100 | | | Reserved | | | | | | |
| 300101(0064) | 04 | R | - | Product number H | - | - | 2302 | "ERP model registered unique number" | |
| 300102(0065) | 04 | R | - | Product number L | - | - | 0010 | | |
| 300103(0066) | 04 | R | - | Hardware version | - | - | 100 | | |
| 300104(0067) | 04 | R | - | Software version | - | - | 100 | | |
| 300105(0068) | 04 | R | - | Model name 1 | - | - | "AR" | One of below strings; ARM-DI08N-4S, ARM-DI08P-4S, ARM-DO08N-4S, ARM-DO08P-4S | |
| 300106(0069) | 04 | R | - | Model name 2 | - | - | "M-" | | |
| 300107(006A) | 04 | R | - | Model name 3 | - | - | "DI" | | |
| 300108(006B) | 04 | R | - | Model name 4 | - | - | "08" | | |
| 300109(006C) | 04 | R | - | Model name 5 | - | - | "N-" | | |
| 300110(006D) | 04 | R | - | Model name 6 | - | - | "4S" | | |
| 300111(006E) | 04 | R | - | Model name 7 | - | - | | | |
| 300112(006F) | 04 | R | - | Model name 8 | - | - | | | |
| 300113(0070) | 04 | R | - | Model name 9 | - | - | | | |
| 300114(0071) | 04 | R | - | Model name 10 | - | - | | | |
| 300115(0072) | | | Reserved | | | | | | |
| 300116(0073) | | | Reserved | | | | | | |
| 300117(0074) | | | Reserved | | | | | | |
| 300118(0075) | 04 | R | - | Coil status Start Address | - | - | 0000 | | |
| 300119(0076) | 04 | R | - | Coil status Quantity | - | - | 0 | | |
| 300120(0077) | 04 | R | - | Input status Start Address | - | - | 0000 | | |
| 300121(0078) | 04 | R | - | Input status Quantity | - | - | 0 | | |
| 300122(0079) | 04 | R | - | Holding Register Start Address | - | - | 0000 | | |
| 300123(007A) | 04 | R | - | Holding Register Quantity | - | - | 0 | | |
| 300124(007B) | 04 | R | - | Input Register Start Address | - | - | 0000 | | |
| 300125(007C) | 04 | R | - | Input Register Quantity | - | - | 0 | | |
| 300126to30129 | | | Reserved | | | | | | |
| 300130(0081) | 04 | R | - | Extension unit1 Model name 1 | - | - | "AR" | One of below strings; ARX-DI08N-4S, ARX-DI08P-4S, ARX-DO08N-4S, ARX-DO08P-4S | |
| 300131(0082) | 04 | R | - | Extension unit1 Model name 2 | - | - | "M-" | | |
| 300132(0083) | 04 | R | - | Extension unit1 Model name 3 | - | - | "DI" | | |
| 300133(0084) | 04 | R | - | Extension unit1 Model name 4 | - | - | "08" | | |
| 300134(0085) | 04 | R | - | Extension unit1 Model name 5 | - | - | "P-" | | |
| 300135(0086) | 04 | R | - | Extension unit1 Model name 6 | - | - | "4S" | | |
| 300136(0087) | 04 | R | - | Extension unit1 Model name 7 | - | - | | | |
| 300137(0088) | 04 | R | - | Extension unit1 Model name 8 | - | - | | | |

| No(Address) | Func | R/W | Parameter/ Parameter name | Description | Set range | Unit | Default | Note |
|--------------------------------|------|-----|------------------------------|----------------------------------|-----------|------|---------|------|
| 300138(0089) | 04 | R | - | Extension unit1 Model name 9 | - | - | | |
| 300139(008A) | 04 | R | - | Extension unit1 Model name 10 | - | - | | |
| 300140(008B) to300149(0094) | 04 | R | - | Extension unit2 – Same as unit 1 | | | | |
| 300150(0095) to300159(009E) | 04 | R | - | Extension unit3 – Same as unit 1 | | | | |
| 300160(009F) to300169(00A8) | 04 | VR | - | Extension unit4 – Same as unit 1 | | | | |
| 300170(00A9) to300179(00B2) | 04 | R | - | Extension unit5 – Same as unit 1 | | | | |
| 300180(00B3) to300189(00BC) | 04 | R | - | Extension unit6 – Same as unit 1 | | | | |
| 300190(00BD) to300199(00C6) | 04 | R | - | Extension unit7 – Same as unit 1 | | | | |
| 300200 | | | Reserved | | | | | |

※The setting value of 30102 address is different by model.

| ARM-DI08N-4S | ARM-DI08P-4S | ARM-DO08N-4S | ARM-DO08P-4S |
|--------------|--------------|--------------|--------------|
| 0010 | 0020 | 0030 | 0040 |

※The setting value of 300119 / 300121 / 300123 / 300125 address is set when it is required per each item. If there are lots of detailed models in same series, the setting values of the detailed models are changed and it is difficult to set on device. Therefore, fix as “0”.

| No(Address) | Func | R/W | Parameter/ Parameter Name | Description | Set range | Unit | Default | Note |
|---------------|------|-----|---------------------------------------|--|---|------|---------|-----------------------------|
| 301001(03E8) | 04 | R | Expand Unit | The number of connected extension unit | 00 to 07 | | | |
| 301002(03E9) | 04 | R | Base unit Spec | Connected basic unit Spec | | | | |
| 301003(03EA) | 04 | R | Expand unit Spec 1 | Connected CH1 extension unit Spec | | | | |
| 301004(03EB) | 04 | R | Expand unit Spec 2 | Connected CH2 extension unit Spec | | | | |
| 301005(03EC) | 04 | R | Expand unit Spec 3 | Connected CH3 extension unit Spec | | | | |
| 301006(03ED) | 04 | R | Expand unit Spec 4 | Connected CH4 extension unit Spec | | | | |
| 301007(03EE) | 04 | R | Expand unit Spec 5 | Connected CH5 extension unit Spec | | | | |
| 301008(03EF) | 04 | R | Expand unit Spec 6 | Connected CH6 extension unit Spec | | | | |
| 301009(03F0) | 04 | R | Expand unit Spec 7 | Connected CH7 extension unit Spec | | | | |
| 301010(03F1) | | R | Read In port Size | Connected input point number | 0to64 | | | |
| 301011(03F2) | | R | Read Out port Size | Connected output point number | 0to64 | | | |
| 301012to31019 | | | Reserved | | | | | |
| 301020(03FB) | 04 | R | Network Power Voltage (Present Value) | Current network voltage | 120 to 300 | VDC | | Setting value 241 is 24.1V. |
| 301021(03FC) | 04 | R | Network Power Voltage (Top Value) | Maximum network voltage | 120 to 300 | VDC | | Setting value 241 is 24.1V. |
| 301022(03FD) | 04 | R | Network Power Voltage (Bottom Value) | Minimum network voltage | 120 to 300 | VDC | | Setting value 241 is 24.1V. |
| 301023(03FE) | 04 | R | Network Power Voltage (Set Value) | NPV value setting | 120 to 300 | VDC | 120 | Setting value 120 is 12.0V. |
| 301024(03FF) | 04 | R | Module status Error(MS Led) | Error lamp for unit status | 0 : Normal 1 : Error | | | |
| 301025(0400) | 04 | R | Network status Error(NS Led) | Error lamp for network status | 0 : Normal 1 : Error | | | |
| 301026(0401) | 04 | R | Expand Unit Comm. Error(MS Led) | Communication error of extension unit | 0 : Normal 1 : Error | | | |
| 301027(0402) | 04 | R | Network Power Voltage | Network low voltage error | 0 : Normal 1 : Error | | | |
| 301028(0403) | 04 | R | Auto Baudrate | Communication speed setting | 0 : Set value 1 : Auto baudrate | | 0 | |
| 301029(0404) | 04 | R | EEPROM MacID | Inner MacID setting | 0 to 255 | | 1 | |
| 301030(0405) | 04 | R | Baudrate | Communication speed | 0 :2400, 1 :4800, 2 :9600 3 :19200, 4: 38400 5 :57600, 6: 115200 | | 2 | |
| 301031(0406) | 04 | R | Parity bit | | 0:None, 1 :Odd, 2:Even | | 0 | |
| 301032(0407) | 04 | R | Stop Bit | | 1 :1Stop, 2:2Stop | | 2 | |
| 301033(0408) | 04 | R | Status bit flag | | | | | |

| No(Address) | Func | R/W | Parameter/ Parameter Name | Description | Set range | Unit | Default | Note |
|--------------------------------|------|-----|------------------------------|-------------|-----------|------|---------|------|
| 301034(0409) to301100(044B) | | | Reseved | | | | | |

※Bit data structure of 301002 to 301009 address

| Bit F | Bit E | Bit D | Bit C | Bit B | Bit A | Bit 9 | Bit 8 | Bit 7 | Bit 6 | Bit 5 | Bit 4 | Bit 3 | Bit 2 | Bit 1 | Bit 0 |
|--------|-------|-------|-------|-------------|-------------|-------|-------|---------|-------|-------|-------|----------|-------|-------|-------|
| - | - | - | - | Type | | | | In size | | | | Out size | | | |
| - | - | - | - | 0: IN(NPN) | 1: IN(PNP) | | | 0to8 | | | | 0to8 | | | |
| 1 byte | | | | | | | | 1 byte | | | | | | | |
| | | | | 2: OUT(NPN) | 3: OUT(PNP) | | | | | | | | | | |

※301033 Status bit flag

| | | | |
|-------|----------------------|-------|---------|
| Bit 0 | MS LED status | Bit 4 | Reserve |
| Bit 1 | NS LED status | Bit 5 | |
| Bit 2 | Extension unit error | Bit 6 | |
| Bit 3 | NPV status | Bit 7 | |

2.4 Read Holding Register (Func: 03)

| No(Address) | Func | R/W | Parameter/ Parameter Name | Description | Set range | Unit | Default | Note |
|--------------------------------|--------------|-----|---|-----------------------------|---|------|---------|--------------------------------|
| 400001(0000) | 03 | R | - | Input #1,2 | - | - | | |
| 400002(0001) | 03 | R | - | Input #3,4 | - | - | | |
| 400003(0002) | 03 | R | - | Input #5,6 | - | - | | |
| 400004(0003) | 03 | R | - | Input #7,8 | - | - | | |
| 400005(0004) | 03/06 /16 | R/W | - | Output #1,2 | - | - | | |
| 400006(0005) | 03/06 /16 | R/W | - | Output #3,4 | - | - | | |
| 400007(0006) | 03/06 /16 | R/W | - | Output #5,6 | - | - | | |
| 400008(0007) | 03/06 /16 | R/W | - | Output #7,8 | - | - | | |
| 400009(0008) to400010(0009) | | | Reserved | | | | | |
| 401023(03FE) | 03/06 /16 | R/W | Network Power Voltage (Set Value) | NPV value setting | 120 to 300 | VDC | 120 | Setting value 120 is 12.0V. |
| 401024(03FF) | 03/06 /16 | R/W | NS-Led Timeout | Timeout value setting | 0 to 60 | sec | 5sec | |
| 401025(0400) | 03/06 /16 | R/W | Reserved | | | | | |
| 401026(0401) | 03/06 /16 | R/W | Reserved | | | | | |
| 401027(0402) | 03/06 /16 | R/W | Reserved | | | | | |
| 401028(0403) | 03/06 /16 | R/W | Auto Baudrate | Communication speed setting | 0 : Set value 1 : Auto baudrate | | 0 | |
| 401029(0404) | 03/06 /16 | R/W | EEPROM MacID | Inner MacID setting | 0 to 255 | | 1 | |
| 401030(0405) | 03/06 /16 | R/W | Baudrate | Communication speed | 0 :2400, 1 :4800, 2 :9600 3 :19200, 4: 38400 5 :57600, 6: 115200 | | 2 | |
| 401031(0406) | 03/06 /16 | R/W | Parity bit | - | 0:None, 1 :Odd, 2:Even | | 0 | |
| 401032(0407) | 03/06 /16 | R/W | Stop Bit | - | 1 :1Stop, 2:2Stop | | 2 | |
| 401033(0408) to401100(044B) | 03/06 /16 | R/W | Reserved | | | | | |
| 401023(03FE) | 03/06 /16 | R/W | Network Power Voltage (Set Value) | NPV value setting | 120 to 300 | VDC | 120 | Setting value 120 is 12.0V. |
| 401024(03FF) | 03/06 /16 | R/W | NS-Led Timeout | Timeout value setting | 0 to 60 | sec | 5sec | |
| 401025(0400) | | | Reserved | | | | | |
| 401026(0401) | | | Reserved | | | | | |
| 401027(0402) | | | Reserved | | | | | |

| No(Address) | Func | R/W | Parameter/ Parameter Name | Description | Set range | Unit | Default | Note |
|--------------|--------------|-----|------------------------------|-----------------------------|---|------|---------|------|
| 401028(0403) | 03/06 /16 | R/W | Auto Baudrate | Communication speed setting | 0 : Set value 1 : Auto baudrate | | 0 | |
| 401029(0404) | 03/06 /16 | R/W | EEPROM MacID | Inner MacID setting | 0 to 255 | | 1 | |
| 401030(0405) | 03/06 /16 | R/W | Baudrate | Communication speed | 0 :2400, 1 :4800, 2 :9600 3 :19200, 4: 38400 5 :57600, 6: 115200 | | 2 | |
| 401031(0406) | 03/06 /16 | R/W | Parity bit | - | 0:None, 1 :Odd, 2:Even | | 0 | |
| 401032(0407) | 03/06 /16 | R/W | Stop Bit | - | 1 :1Stop, 2:2Stop | | 2 | |

※ MacID setting

When power is ON, [MacID switch] checking

If [MacID switch] is not 0, [MacID] is set with [MacID switch] value.

If [MacID switch] is 0, it checks inner [EEPROM MacID].

If [EEPROM MacID] is 0, it waits the setting with [MacID switch] value. (After setting with the value other than 0, and there is no change, it is OK.)

If [EEPROM MacID] is not 0, [MacID] is set with [EEPROM MacID].

Autonics

Sensors & Controllers

www.autonics.com

Distributor



Major products

Proximity sensors • Photoelectric sensors • Area sensors • Fiber optic sensors • Door/Door Side sensors • Pressure sensors • Rotary encoders • Sensor controllers • Switching power supply • Temp. controllers • Temperature/Humidity transducers • Power controllers • Recorders • Tachometer/Pulse(Rate) meters • Panel meters • Indicators • Signal converters • Counters • Timers • Display units • Graphic panel • Stepping Motors & Drivers & Motion controllers

Any proposal for a product improvement and development: Product@autonics.com

Headquarters

41-5, Yongdang-dong, Yangsan-si, Gyeongnam, 626-847, Korea

Overseas Business Dept.

Bldg. 402 3rd Fl. Bucheon Techno Park, 193, Yakdae-dong, Wonmi-gu, Bucheon-si, Gyeonggi-do, 420-734, Korea

Tel: 82-32-610-2730 / Fax: 82-32-329-0728 / E-mail: sales@autonics.com

Brazil

Autonics do Brasil Comercial Importadora Exportadora Ltda

Tel: 55-11-3055-1660 / Fax: 55-11-3055-1661 / E-mail: vendas@autonics.com.br

China

Autonics electronic(Jiaying) Corporation

Tel: 86-573-8216-1900 / Fax: 86-573-8216-1917 / E-mail: china@autonics.com

India

Autonics Corporation - India Liaison Office

Tel: 91-22-2781-4305 / Fax: 91-22-2781-0538 / E-mail: india@autonics.com

Indonesia

PT. Autonics Indonesia

Tel: 62-21-6586-6740 / Fax: 62-21-6586-6741 / E-mail: autonics@cbn.net.id

Japan

Autonics Japan Corporation

Tel: 81-3-5730-0568 / Fax: 81-3-5730-0569 / E-mail: ja@autonicsjp.co.jp

Malaysia

Mal-Autonics Sensor Sdn. Bhd.

Tel: 60-3-7805-7190(Hunting) / Fax: 60-3-7805-7193 / E-mail: malaysia@autonics.com

Mexico

Autonics Mexico Sales Office

Tel: 52-55-5207-0019 / Fax: 52-55-5207-0099 / E-mail: ventas@autonics.com

Russia

Autonics Corp. Russia Representative Office

Tel/Fax: 7-495-745-2343 E-mail: russia@autonics.com

Turkey

Autonics Otomasyon Ticaret Ltd. Sti.

Tel: 90-212-222-0117 (PBX) / Fax: 90-212-222-0108 / E-mail: info@autonics.com.tr

USA

Autonics USA, Inc.

Tel: 1-847-680-8160 / Fax: 1-847-680-8155 / E-mail: sales@autonicsusa.net

Vietnam

Autonics Vietnam Representative Office

Tel: 84-8-3925-6563 / Fax: 84-8-3925-6564 / E-mail: vietnam@autonics.com