

CX2N(-HM) PLC User Manual

Thank you for choosing Coolmay CX2N series. This manual mainly explains the features, general specifications and wiring methods of CX2N series. Detailed programming information please refer to< Coolmay PLC Programming Manual>. Main features of CX2NC(-HM) series.

1. Highly integration. At most 40DI/40DO, 20AI/8AO can be customized. 1 Rs232 or 1 Rs485, or at most 2 Rs485 can be added.

2. Support high-speed counting and high-speed pulse. High-speed counting can be added to at most 6 single-phase, 3 AB(Z) 10-100KHz. High-speed pulse can be added to 4 or 5 20-200KHz. 3. Support special encryption. Setting 12345678 as password can thoroughly prevent the

data from being read.

5.0MM pluggable terminals are adopted for easy wiring.
 5. DIN-Rail installation (35 mm) and fixed hole installation.

6. CX2N-HM Series originate from CX2N by adding eight plastic keys and color text display. The text display adopts USB port as the programming port. The programming software and display functions are the same with HM-30B, which can monitor the PLC.

7. DCX2N series is the same with CX2N, but without the body case.

Product Information

| Naming | • Naming Rule $\frac{CX2N}{0} - \frac{48}{2} \frac{MRT}{3} - \frac{8AD}{6} - \frac{4DA}{6} - \frac{V}{7} - \frac{A0}{8} - \frac{1C1}{9} - \frac{1P}{10} - \frac{485P/232}{10}$ | | | | | | |
|---------------------------|--|--|--|--|--|--|--|
| 1. Series | | | | | | | |
| 2. I/O Points | 10: 5DI/5DO 24: 12DI/12DO 32: 16DI/16DO 36:20DI/16DO | | | | | | |
| 4 | 48: 24DI/24DO 64: 32DI/32DO 68: 32DI/36DO 80:40DI/40DO | | | | | | |
| Module | M: Main module | | | | | | |
| DO type | | | | | | | |
| 5. AI | 0~ 20 channels optional | | | | | | |
| 6. AO | 0~8 channels optional | | | | | | |
| 7. Al type | EK: Thermocouple SR: S-type thermocouple JR: J-type thermocouple | | | | | | |
| | PT: Pt100 PT0:PT1000 NTC: Thermistor(10k,50k,100k) | | | | | | |
| | $V_{0.10}V_{0.10}V_{0.5}V_{0.5}V_{0.4}A_{0.00$ | | | | | | |

A0: 0-20mA V5: 0-5V V5: 0-5V V: 0-10V

8. AO type A0: 0-20mA 9. C1 stand for singe phase 100k high-speed counting, C2 for 100KHz AB phase counting C3 for 100KHz ABZ counting, C10 for 10K. At most 6 single phase 10Khz (6C10) or 3 AB(Z) phase 10-100KHz can be customized.

10. P for 100KHz high-speed pulse, P2 for 200KHz.P0 for 20KHz. At most 4 100-200KHz can be added.

11. Communication port 1 Rs232, or 1Rs485, or at most 2 Rs485 ports can be added.

| CX2N | | ching lue | Ana (optio | alog onal) | CON | /I Port | Hi | gh-spe counting | ed J | High-speed pulse | Dime | nsion | | | |
|----------|----|--------------|---------------|---------------|-------------|--|---|---|--|-------------------------------------|----------------------|----------------------|-----------|------------------------------------|-----------|
| GAZIN | DI | DO | AI | AO | 485 Port | 232 Port | Single Phase | AB Phase | ABZ Phase | Output | Overall Size (mm) | Cutout Size (mm) | | | |
| CX2N-10M | 5 | 5 | 2 | 2 | | | s | | | 2M, | 05*00*00 | 57*00 | | | |
| CX2N-16M | 8 | 8 | 0 | 0 | | | channels 0K) | ¥ AB | | CX2N-10~32M, For others, | 65*90*36 | 57*99 | | | |
| CX2N-16M | 8 | 8 | 4 | 2 | | व | oK) | 00 | Ŷ | othe | 85*90*36 | 77*99 | | | |
| CX2N-22M | 12 | 10 | 0 | 0 | | optional | 2 00100 most 6 d 2 5-1 at mos at mos nd 1 5- can be can be can be | most 3 AB 1 5-10K) 1 be 5-10K) 5-10~ CX2N-10~ For others, | 00 90 30 | 11 99 | | | | | |
| CX2N-22M | 10 | 12 | 8 | 4 | | 2 optional , another Rs232 of contained, at mos 4 10-100K and 2 DK contained, at r 1 (2 10-100K and ABZ counting car d (1 10-100K, 2 5 | | u at d | and cal | | | | | | |
| CX2N-24M | 12 | 12 | 6 | 4 | Jal | | Nok a liting | 00k | 100k, 2 100k, 2 but. For added. | 125*90*36 | 117*99 | | | | |
| CX2N-30M | 16 | 14 | 2 | 2 | ptio | | pe pa l | | | | | | | | |
| CX2N-32M | 16 | 16 | 2 | 0 | 2 0 | | onta 10- | К со (2 1 | N- 96 | se can | | | | | |
| CX2N-36M | 20 | 16 | 16 | 8 | | Rs232, | | ed 1 | At most 3 AB customized (| nd Social | 195*90*36 | 187*99 | | | |
| CX2N-48M | 24 | 24 | 8 | 4 | | Rs2 | y 2 10K added (| Normally 2 can be add | At most 3 customize | 4 20K pul 20-200k (20-200k (| | | | | |
| CX2N-64M | 32 | 32 | 8 | 4 | | 1 Normally 2 can be ad | 1 1 Normally 2 At m At m Custo | | 240*90*36 | 232*99 | | | | | |
| CX2N-68M | 32 | 36 | 20 | 4 | | | Car No | Car No | | an b car o | an b car car | an b car | nost nost | Normally at most 4 at most 5 | 205*00*20 |
| CX2N-80M | 40 | 40 | 8 | 4 | | | ŽÖ | | | atr | 285*90*36 | 211 99 | | | |

Diagram 2: Electrical Parameters

| Electrical Parameters | | | | | |
|-----------------------|---|---|--|--|--|
| Input Voltage | Input Voltage DC 24V | | | | |
| Digital Input Index | | | | | |
| Isolation Mode | Photocoupling | | | | |
| Input Impedance | High-speed input $3.3K\Omega$ | Common input 4.3Ω | | | |
| Input ON | Electric current of high-speed input is higher than 4.5mA | Electric current of common input is higher than 3.5mA | | | |
| Output OFF | Electric current of both is lower than 1.5mA | | | | |

| Filter Function | With filter function, the filter time can be set among 0-100ms, defaulted as 10ms |
|--------------------------------|---|
| High-speed Counting | Normally 2 single counting (X0/X3) or 2 AB phase counting (X0-X1/X3-X4) 10KHz. At most 6 single counting can be customized (4 100KHz、2 10KHz). Or 3 AB phase counting (2 100KHz、1 10KHz) or 3 ABZ counting (1 100KHz . 2 5-10KHz) |
| Common Port | COM connected with negative pole |
| | Relay Output Index |
| Max Current | 5A |
| Load Voltage | DC/AC 24V~220V |
| Circuit Insulation | Relay Mechanical Insulation |
| ON Respond Time | About 10ms |
| Mechanical Life (without load) | 10 million times |
| Electrical Life (Rated Load) | 300 thousand times |
| Output Common Port | COM connected with negative terminal |
| | Transistor Output Index |
| Max Current | 500mA |
| Load Voltage | DC24V |
| Circuit Insulation | Optocoupler Insulation |
| Isolation Voltage | 1500VAC |
| ON Respond Time | High-speed Output : 10µs, others 0.5ms |
| High-speed Output Frequency | Y0/Y1/Y6/Y7 Normally 20Khz, Y10 can be added while 5 channels be customized, at most 100-200KHZ |
| Output Common Port | COM connected with negative terminal |
| | Analog Input Index |
| Input Signal | Pt100 / PT1000 / Thermocouple / NTC / 0-10V / 0-20mA / 4-20mA, other signals can be customized. |
| Respond Time | One scanning cycle |
| AI Quantity | 0-20channels |
| Accuracy | 12bit, ±1% (full span) |
| | Analog Output Index |
| Output Signal | 0-5V/0-10V / 0-20mA,other signals can be customized. |
| AO Quantity | 0-8 channels |
| Accurary | 10 bit |
| | Interface |
| COM Port | 1 RS232, another 1 RS232, 1 RS485 or 2 RS485 optional |
| | Environment |
| Operating Temperature | -20°C~60°C |
| Relative Humidity | 5%~95% RH |
| Storage Temperature | -20°C~70°C |
| Vibrational Frequency | 10-57Hz, amplitude: 0.035mm; 57Hz-150Hz, accelerated speed: 4.9r (10 times for directions XYZ,80 min. in total) |

Mechanical Design Reference

Cutout Size

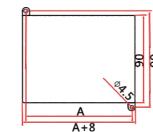


Diagram 1 Dimension Drawing

Cutout Size: A*99 mm Dimension: (A+8)*90 mm CX2N-16/10M A: 57 mm CX2N-24/16M A: 77 mm CX2N-32/30/24/22M A[.] 117 mm CX2N-48/36M A: 187 mm CX2N-64M A: 232 mm CX2N-68/80M A: 277 mm

12

9 7 8

- Interface:
- 1. Rs232 (PLC programming port protocol.
- 2. Rs485 (AB port)/RS232: protocol, Mitsubishi seria RTU/ASCII) parameters an in D8121, can be used
- 3. Rs485 (A1 B1 port): supp protocol and Modbus (M in D8160, station number is set in D8161, normally only be used as

* Two Rs485 ports which support Modbus master station can be special customiz

Equivalent Circuit

should be connected.

| Electrical design reference | | | |
|--|---|----------------------------------|--|
| 2 Q | Mounting hole Terminal block for inpu of power supply Terminal block of digit LED of Digital Input LED of Digital Output PWR: Power-up State RUN: The light is On v PLC is run ERR: When there is a error, the LED in will flicker. RS485/RS232 RS485 | al output when the program | 9. RUN/STOP 10. Analog Input 11. Analog Output 12. Rs232 13. DIN-Rail Slot (35mm) 14. Terminal block of digital input 15. PLC USB prog- ramming port (CX2N optional) text USB port pro-gramming port (CX2N-HM) |
| · · · · · | X2N-16MT/MR/MRT) 2N-10MT/MR/MRT-2AD2DA) | | |
| COM Y00 ~Y03 COM1 Y04 Y05 Y06 Y07 (Apply to C | X2N-16MT/MR/MRT) | | |
| GNG AD0 AD1 (Apply to CX2N CX2N-16MT/MR/MRT, CX2N-10MT/MR/MRT-2AD2DA | N-10MT/MR/MRT-2AD2DA) | | |
| FG 24V COM X00~X07[X10 X11 X12 X13 (Apply to AD0 AD1 AD2 AD3 (Apply to COM0 Y00 Y01 COM1 Y2~Y5 COM2 Y6~Y11 (Apply to COM0 Y00~Y03 COM1 Y4~Y7 GND DA0 DA1 (Apply to CX2N-22MT/MR/MRT, CX2N-16MT/MR/MRT-4AD | o CX2N-16MT/MR/MRT-4AD o CX2N-22MT/MR/MRT) CX2N-16MT/MR/MRT-4AD2 | | |
| FG 24V COM X00~X11 AD0 AD1 AD2 AD3 AD4 GN | | | |
| ل X12 X13 AD2 AD3 AD4 GN COM0 Y00~Y03 COM1 Y04~Y07 COM2 Y10~Y13 GN | | opiy to CX2IN- | 24MII/MIK/MIKI-6AD4DA) |
| CX2N-22MT/MR/MRT-8AD4DA, CX2N-24MT | | | |
| FG 24V COM X00~X17 GND AD0 GND AD1 | | | |
| COM Y00~Y03 COM1 Y04~Y07 COM2 Y10~Y13 COM3 | 3 Y14 Y15∫Y16 Y17 (Appl | y to CX2N-32 | 2MT/MR/MRT-2AD) |
| | | y to CX2N-30 | OMT/MR/MRT-2AD2DA) |
| CX2N-32MT/MR/MRT-2AD、CX2N-30MT/M | IK/WIKT-ZADZDA | | |
| FG 24V COM X00~X17 X20~X23 X24~X27 GND AD0 AD0~AD3 GND AD4~ | | | 48MT/MR/MRT-8AD4DA) 86MT/MR/MRT-16AD8DA) |
| COM0 Y00~Y03 COM1 Y04~Y07 COM2 Y10~Y13 COM3 {Y14~Y17 C | OM4 Y20~Y27 GND DA0~DA3 (Ap | oply to CX2N-4 | 48MT/MR/MRT-8AD4DA) |
| CX2N-48MT/MR/MRT-8AD4DA、CX2N-36MT/I | GND DAO~DA3 GND DA4~DA7 (Αμ MR/MRT-16ΔD8DΔ | oply to CX2N-3 | 36M1/MR/MR1-16AD8DA) |
| FG 24V COM X00~X27 COM X30~X37 GND AD0~4 | | | |
| COM0 Y00~Y03 COM1 Y04~Y07 COM2 Y10~Y13 COM Y14~Y17 COM4 Y20~Y2 | | | |
| CX2N-64MT/MR/MRT-8AD4DA | | | |
| FG 24V COM X00~X27 COM X30~X37 GND AD0~/ como voo-vos comi vo-vos comi vo-vos comi voo-vos comi | | | (1) (2) (3) (4) (5) (6) (7) (8) (6) (7) (8) (6) (7) (8) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7) |
| FG 24V COM X00-X27 COM X30-X37 COM X40-X47 GN COM0 Y00-Y03 COM1 Y04-Y07 COM2 Y10-Y13 COM Y14-Y17 COM4 Y20-Y27 COM5 CX2N-80MT/MR/MRT-8AD4DA | | Diagram 4 | 4 PLC Programming Port |
| Diagram 3 Hardware Interface Dr | rawing | | TXD: 485+ A |
| Terminals wiring standard:22-14AWG w terminals are all pluggable terminals. | | | RXD 485- B |
| COM port definition: The standard COM port is Rs232, interface t mouse head, in addition, 1 RS232,1 Rs485 o optional. | | | |
| Interface: 1. Rs232 (PLC programming port); suppor port protocol. | t Mitsubishi programn | ning Diagra | m 5 Optional COM Port |
| Rs485 (AB port)/RS232: support Mitsu protocol, Mitsubishi serial protocol, Moc RTU/ASCII) parameters are set in D812 in D8121, can be used as master or Rs485 (A1 B1 port): support Mitsubishi protocol and Modbus (Modbus RTU/AS | bus (Modbus 0, station number is slave. programming port | set Pin Definiti Pin NO. | on of Programming Port Signal Description RXD Receive Data |

There is a power supply (DC24V) inside PLC to test the state of the switch. The end user only need to put in the dry contact. OC output signal is needed if output signals of active crystal sensor

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veg

TXD Transmit Data

Ground

GND

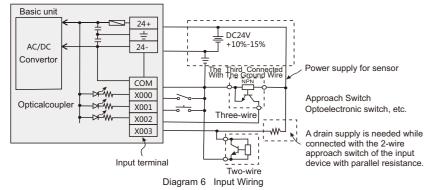


Diagram 7 is an equivalent circuit diagram of relay output . There are several groups of input terminals, each group is electrical isolation and the output electric shock of different groups should be connected with different power circuit. Please choose proper insurance for each load to avoid burning

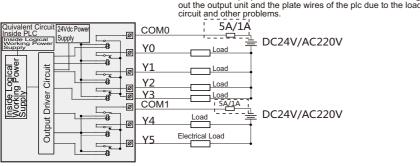


Diagram 7 Equivalent Circuit of Relay Output

Please choose proper insurance for each load to avoid burning out the output unit and the plate wires of the plc due to the load circuit and other probler

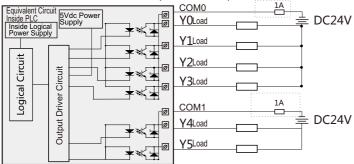


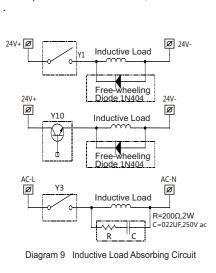
Diagram 8 Equivalent Circuit of Transistor Output

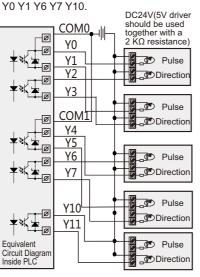
Diagram 8 is an equivalent circuit diagram of transistor output. As the diagram shows, there are several groups of input terminals, each group is electrical isolation and the output electric shock of different group should be connected with different power circuit. The output of transistors can be only used for load circuit with DC24V.

As for inductive load connected with AC circuits, RC instantaneous voltage absorbing circuit should be considered as outside circuit. As for inductive load connected with DC circuits, free-wheeling diode should be added, shown as diagram 9.

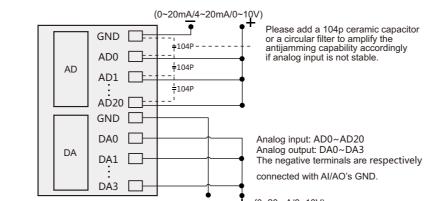
Wiring diagram of stepping motor or serve motor is shown as diagram 10. DC24V of 5V Driver must be used together with a 2 K Ω resistance.

4 pulses are Y0 Y1 Y6 Y7, custom made pulses are Y0 Y1 Y6 Y7 Y10.









(0~20mA/0~10V) Diagram 11 Analog Wiring

Two-wire: the power supply's positive pole is connect with the transmitter's positive pole. The transmitter's negative pole is connect with AD, the power supply's negative pole is connect with GND, generally as the wiring of 4-20mA/0-20mA transmitter.

- Three-wire: the power supply's positive pole is connect with the transmitter's positive pole. The power supply's negative pole and the signal output cathode are the same terminal. The transmitter output is connect with AD.
- Four-wire: the positive and negative poles of the power supply are connect with the transmitter's positive and negative poles separately. The positive and negative poles of transmitter output are connect with AD and GND separately.

When the analog is temperature, two wires should be connect with AD and GND separately. As for three- wire PT100, it should be merged into two wire.

Anti-interface processing

Analog wiring

- 1. The strong current and the weak current should be wired separately and cannot connect with ground. When there is a strong current, please add a circular on the power port. Besides, proper grounding processing should be conducted according to the chasis
- 2. When there is a interface, 104 ceramic chip can be added and effective grounding should be conducted

Programming Reference

• Devices Distribution and Statement of Power-down Save CX2N-10M CX2N-16M CX2N-22M CX2N-24M CX2N-30M CX2N-32M CX2N-36M CX2N-48M CX2N-64M CX2N-68M CX2N-80M x00~x04 x00~x07 x00~x11 x00~x13 x0~x17 x00~x17 x00~x23 x00~x27 X00~X47 40 point Input X00~X37 X00~X37 2 points 5 points 8 points 10 points 16 points 16 points 20 points 24 points 32 points 32 points Y00~Y07 Y00~Y13 Y00~Y13 Output Y00~Y04 Y0~Y15 Y00~Y17 Y00~Y17 Y00~Y27 Y00~Y37 Y00~Y43 Y00~Y4 points 8 points 12 points 12 points 14 points 16 points 16 points 24 points 32 points 36 points 40 noint Auxiliary Relay M [M0~M499] 500 points General [M500~M1535] 1036 points Holding M8000~M8255 256 points Specia [S0-S499] 500 points General [S500-S999] 500 points Holding State S te [T246~T249] 4 points 1ms [T250~T255] 6 points100ms Timer T T0~T199 200 points 100ms General Actuary Holding accumulatation Holding 16bit Up Counter 32bit Up Counter High-speed Counter Counter C 100 points [C100~C199] 10 200~C2341_35 n [C235~C255] 5 points Holdin 0 points points Holding 0 points [D200~D999] 800 po al Holding D8000~D82551 256 pc V0~V7 Z0~Z7 16 points Index Data Register D,V,Z Special Special Special Nested Pointer N0~N7 8 points Master 16 bit -32.768~32.767 32 bit -2,147,483,648~2,147,483,647 Κ Consta 16 bit 0~FFFFH 32 bit 0~FFFFFFFH н

 AD Register (AD means analog input) CX2N-32MT/MR/MRT-2AD

| AD | Register Value | Magnification Correction (units: milli) | Size Correction | Cycle Setting of Analog Sampling | |
|----------|----------------|--|-----------------|-------------------------------------|--|
| AD0-AD1 | D8030-D8031 | D8040-D8041 | D8070-D8071 | D8050-D8051 | |
| Cold End | D8038 | D8048 | D8078 | D0000-D0001 | |
| | | | | | |

Note: D8038 is the cold end of thermocouple. K-type set D8049=1

CX2N-10/30MT/MR/MRT-2AD2DA

| AD | Register Value | Magnification Correction (units: milli) | Size Correction | Cycle Setting of Analog Sampling | | |
|-------------|--|--|-----------------|-------------------------------------|--|--|
| AD0-AD1 | D8030-D8031 | D8040-D8041 | D8070-D8071 | D8050-D8051 | | |
| Cold End | D8038 | D8048 | D8078 | D8050-D8051 | | |
| Note: D8038 | Note: D8038 is the cold end of thermocouple. K-type set D8049=1. | | | | | |

CX2N-16MT/MR/MRT-4AD2DA

| • | | | | | |
|--|----------------|--|-----------------|-------------------------------------|--|
| AD | Register Value | Magnification Correction (units: milli) | Size Correction | Cycle Setting of Analog Sampling | |
| AD0-AD3 | D8030-D8033 | D8040-D8043 | D8070-D8073 | D8050-D8053 | |
| Cold End D8038 D8048 D8078 D8050-D8053 | | | | | |
| Note: D8038 is the cold end of thermocouple. K-type set D8049=1. | | | | | |

CX2N-24MT/MR/MRT-6AD4DA

| | • | | | | | | |
|---|--|----------------|--|-----------------|-------------------------------------|--|--|
| | AD | Register Value | Magnification Correction (units: milli) | Size Correction | Cycle Setting of Analog Sampling | | |
| | AD0-AD5 | D8030-D8035 | D8040-D8045 | D8070-D8075 | D8050-D8055 | | |
| ſ | Cold End | D8038 | D8048 | D8078 | D8050-D8055 | | |
| ſ | Note: D8038 is the cold end of thermocouple. K-type set D8049=1. | | | | | | |

CX2N-22/48/64/80MT/MR/MRT-8AD4DA

| AD | Register Value | Magnification Correction (units: milli) | Size Correction | Cycle Setting of Analog Sampling | | |
|--|----------------|--|-----------------|-------------------------------------|--|--|
| AD0-AD7 | D8030-D8037 | D8200-D8207 | D8220-D8227 | D8050-D8057 | | |
| Cold End | D8038 | D8048 | D8078 | D8050-D8057 | | |
| Note: D8042 is the cold end of thermocouple. K-type set D8213=1. | | | | | | |
| | | | | | | |

| AD | Register Value | Magnification Correction (units: milli) | Size Correction | Analog Sampling Cycle Setting | | |
|-------------|--|--|-----------------|----------------------------------|--|--|
| AD0-AD15 | D8030-D8045 | D8200-D8215 | D8220-D8235 | D8050-D8069 | | |
| Cold End | D8049 | D8219 | D8239 | D8020-D8069 | | |
| Note: D8049 | Note: D8049 is the cold end of thermocouple. K-type set D8240=1. | | | | | |

CX2N-68MT/MR/MRT-20AD4DA

| AD | Register Value | Magnification Correction (units: milli) | Size Correction | Cycle Setting of Analog Sampling |
|--|----------------|--|-----------------|-------------------------------------|
| AD0-AD19 | D8030-D8049 | D8200-D8219 | D8220-D8239 | D8050-D8069 |
| Ad19 is cold end while used only as thermocouple | D8049 | D8219 | D8239 | D0020-D0009 |
| Note: D8049 is cold end while used only as thermocouple, the register is D8049, K-type set D8240=1 | | | | |

DA register (DA means analog output)

| DA | AI Register | Set Value | Output Voltage /Current | Resolution | Start Contact | | | |
|--|----------------|-----------|----------------------------|-------------|-----------------------|--|--|--|
| DA0-DA1 | D8080-D8081 | 0-1000 | 0-10V/0-20mA | 10mV/0.02mA | M8080 be driven ON | | | |
| CX2N-24MT/MR/MRT-6AD4DA、CX2N-48/64/80MT/MR/MRT-8AD4DA、CX2N-68MT/MR/MRT-20AD4DA | | | | | | | | |
| AD | Register Value | Set Value | Output Current /Voltage | Resolution | Start Contact | | | |
| DA0-DA3 | D8080-D8083 | 0-1000 | 0-10V/0-20mA | 10mV/0.02mA | M8080 be driven ON | | | |

| DA4-DA7 D8084-D8087 0-1000 0-10V/0-20mA 10mV/0.02mA M8080 be | [| DA | AI Register | Set Value | Output Voltage /Current | Resolution | Start Contact |
|--|-----|-------|-------------|-----------|----------------------------|-------------|-----------------------|
| | DAG | D-DA3 | D8080-D8083 | 0-1000 | 0-10V/0-20mA | 10mV/0.02mA | M8080 be driven ON |
| | DA4 | 4-DA7 | D8084-D8087 | 0-1000 | 0-10V/0-20mA | 10mV/0.02mA | M8080 be driven ON |

The power-down save of CX2N's devices is permanent retention. Namely, all the devices of the holding section won't lose while the module is power off. Chargeable batteries are used for the real-time clock to ensure that the clock is presenting the real time. All the power-down save function should be ensured that the clock is presenting the real time. All the power down save function should be ensured that the voltage of the power supply (DC24V) should above 23V and the power on time of PLC should above 2mins, or there will be an error with the function of power-down save.

Programming Software: Compatible with MITSUBISHI GX8.52 and WORKS 2 Detailed materials please refer to: <COOLMAY PLC Programming Manual> <CX2N PLC User Manual> <MITSUBISHI FX Series Programming Manual>

Narm Tips

- electrify it.
- falling
- product malfunctions and faults.

Shenzhen Coolmay technolog

TEL: 0755-86950416 86960332 26051858 2640066 Fax: 0755-26400661-808 Marketing QQ: 800053919 E-mail: 800053919@b.gq.co Official website: www.coolmay

CX2N-36MT/MR/MRT-16AD8DA、CX2N-68MT/MR/MRT-16AD8DA

CX2N-10/30MT/MR/MRT-200200 CX2N-16MT/MR/MRT-400200

CX2N-36MT/MR/MRT-16AD8DA、CX2N-68MT/MR/MRT-16AD8DA

FX2NC PLC User Manual

Before using this product, please read the relevant manual carefully and use the product under the environmental conditions specified in the manua

1. In canse of damaging the product, please confirm power supply range first (the regular power supply only limitied to 24V DC, we suggest you to use the power supply which output voltage is 18W or higher than 18W), and wiring correctly, then

2. Before installting the product, please tighten the screw and clamp guide to avoid

 Please do not wiring or plug cable when the power is on, otherwise it may cause electric shock or circuit damagement. Disconnect the power switch immediately when the product smells or sounds abnormal. Do not drop metal shavings and wire tips into the control vent holes during screwing hole and wiring, which may cause

Please do not tie the power cord and communication cable together or let them too close, you should keep them for more than 10cm distance. The strong and weak electricity should be separated and properly grounded. If the interference is serious, the communication and high frequency signal input and output cables should be the shielded cables to improve anti-jamming performance. The grounding terminal FG on this unit must be properly grounded, which can improve the anti-interference ability. The COM of the binary input / output (transistor) is common to the cathode. Do not disassemble the product or modify the wiring optionally. Otherwise it may cause fault, malfunction, loss, or fire.

Please make sure to turn off the all power when you install or dismantle the product, otherwise it may cause malfuction or fault.

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