

Features

- 24V AC power supply
- 13 pcs Passive Analog Inputs that can be used as voltage-free dry contacts or NTC10K sensors
- 2 pcs Passive Digital Input that can be used as dry contacts
- 12 pcs Universal Inputs that can be used as voltage-free dry contacts, NTC10K sensor, or 0-10V voltage input.
- 2 pcs 0-10V Active Analog Inputs
- 9 pcs 10A Digital Outputs
- 6 pcs 0-10V Analog Outputs
- Configuration DIP Switch (CONFIGURATION)
- BACnet address DIP Switch (ADDRESS)
- BACnet MS/TP communication
- Optional Modbus communication
- IP20 Plastic enclosure
- DIN Rail mounting



Applications

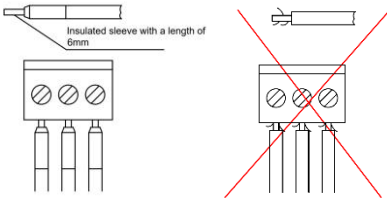
IO344 series IO modules are used in building automation and HVAC applications. The module is designed and manufactured to work seamlessly with all devices thanks to the BACnet communication.

Notes on Usage

Please, read this datasheet carefully. IO344 safety rules by the latest technological developments designed and manufactured. To avoid injury and property damage safety warnings must be observed.

Security Advice-Caution

Installation, maintenance, and repair of the device should be done by authorized personnel. The device has a power supply of 24 V AC and 1 A internal fuse. Relay outputs do not have internal protection due to the variety of components that can be used. It is recommended to use an external C type fuse suitable for the required current level. Each pin of the supply and relay terminals can carry a maximum current of 20 A. Before making relay output connections, attention should be paid to recommended current levels.



The ends of the connection wires must be protected against delamination using insulated sleeves as shown on the figure.



Ordering Information

Product Code	Description	Power	Communication
IO344.21	9 pcs Digital Outputs (Relay) 6 pcs Analog Outputs 2 pcs Active Analog Inputs 13 pcs Passive Analog Inputs	8.0 VA	Modbus RTU
IO344.22	2 pcs Passive Digital Inputs 12 pcs Universal Inputs 1 pc RS-485 Port		BACnet MS/TP

Technical Specification

Power Supply	24V AC +%-10-%15, 50/60Hz
Power Consumption	8.0 VA
Operating Temperature	0 °C ...+50 °C
Storage Temperature	-20 °C...+70 °C
Relative Humidity	%5....95 RH, non-Condensing
Wiring Connections	Socket Terminal Block, max 1 x 2,5 mm ²
Measuring Range	NTC10K: -50°C ...+150°C Analog Input Voltage: 0-10V
Measuring Resolution	NTC: 0,1°C Analog Input: 0,1V
Inputs	13 pcs Passive Analog Inputs (NTC10K Temperature sensor or Voltage Free Dry Contact) 2 pcs Passive Digital Inputs 12 pcs Universal Inputs (NTC10K Temperature sensor, Voltage Free Dry Contact or 0-10V Voltage Input) 2 pcs 0-10V Active Analog Inputs
Outputs	9 pcs Digital Outputs (10A Relay) * 6 pcs Analog Outputs (0-10V)
Communication	1 pc RS-485 Port
Plastic Box	IP20 according to EN 60529
Box Type	DIN Rail Plastic Enclosure
Plastic Enclosure Material	ABS (UL 94 V-0)
Dimensions	212 x 58 x 90 mm (W x H x D)

* There is a 10 A relay. For optimal relay life, 8A current is recommended for resistive loads, and maximum 5A current is recommended for inductive loads.

Mounting Location

Due to its structure, the device is suitable for wall mounting or rail mounting within the panel. It is recommended to have space for cable connections to the terminals to be made while mounting on the rail.

CAUTION: Power off the supply at 1A-C type circuit breaker or glass fuse before installation to avoid fire, shock, or death.

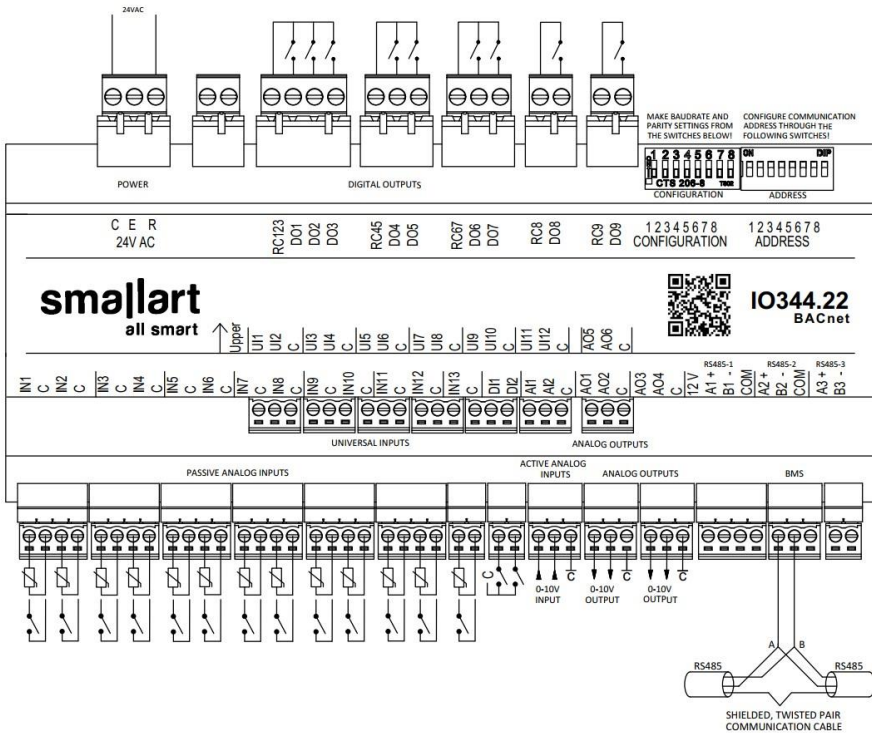


Mounting Instructions

Please follow the below instructions during mounting.

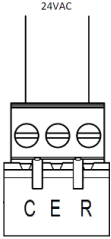
- 1.Step:** Make sure the device is powered OFF.
- 2.Step:** Connect the wires well according to the connection diagrams below.
- 3.Step:** Adjust the baud rate, parity, and BACnet address via ADDRESS and CONFIGURATION DIP Switches.
- 4.Step:** Make sure that all connections are made well.
- 5.Step:** Power the device ON.

Connection Diagrams



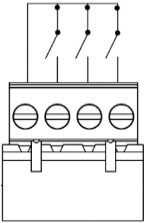
I0344.22 Connection Diagrams

Device Power Connection



Connect the output of the 24VAC power supply to the R and C terminals.

Digital Outputs DOx Connection



The voltage to be switched with DOx relays should be connected to the RC terminal. The voltage connected to RC terminals can be received from the DOx terminals when the DOx relays are closed. This applies to all digital output terminals. The maximum current that each pin of the terminal can carry is 20 A. 20 A is the maximum current that can pass through the RCX input.

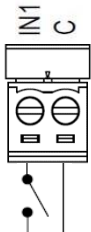
RC123
D01
D02
D03

Passive Analog Inputs (NTC10K)



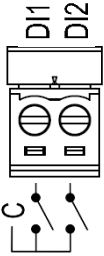
Connect the two cables of the NTC10K sensor as shown in the left picture. You can make this connection for other terminals as shown in the below picture.

Passive Analog Inputs (Dry Contact)



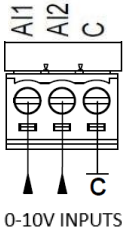
Connect the two cables of the dry contact as shown in the left picture. You can make this connection for other terminals as shown in the below picture.

Digital Inputs



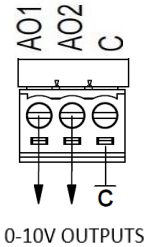
It is used as a dry contact. A connection between the D1 and D2 inputs and any "C" terminals on the passive analog input can be established.

Active Analog Inputs



Connect the 0-10V output cables coming from the sensors, field devices, etc. to the A1x input and connect the GND or COM cable of the related device to the "C" terminal of the IO module as shown in the left picture.

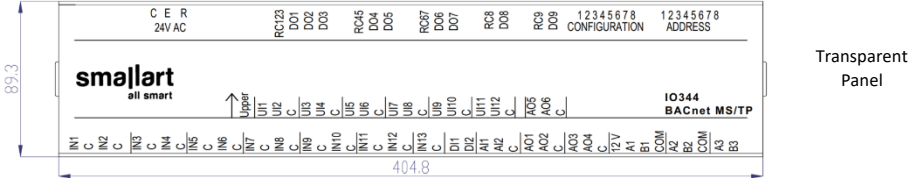
Analog Outputs



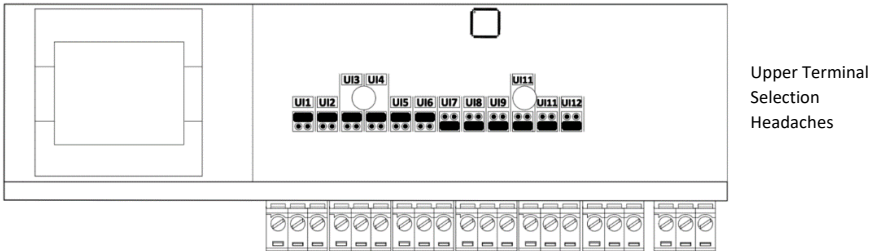
Connect the 0-10V output of the IO module to the related device's 0-10V input and connect the GND or COM cable of the related device to the "C" terminal of the IO module as shown in the left picture.

Upper Terminal Group Universal Inputs Settings

To use the upper terminal group, the selection headers on the upper board must be adjusted accordingly. The device must be powered off during the adjustment. Remove the transparent panel on the top of the device by pulling it up and pushing it.



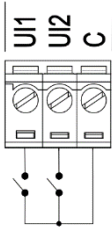
Adjust the selection headers on the upper board according to the type of input you want to use, as described below (Dry Contact-NTC10K, Active Analog Input). By default, UI1-6 inputs were adjusted as NTC10K-Dry Contact and UI7-12 inputs were adjusted as Active Analog Inputs. Take the transparent panel to the normal position after adjusting.



Upper Terminal Group (Dry Contact)



Connect the jumper to the NTC-DI part to use the Universal Input as Dry Contact as shown in the left picture.

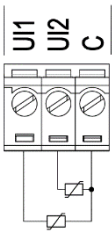


Connect the two cables of the dry contact as shown in the left picture. You can make this connection for other terminals as shown in the below picture.

Upper Terminal Group (NTC10K)



Connect the jumper to the NTC-DI part to use the Universal Input as NTC10K as shown in the left picture.

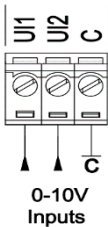


Connect the two cables of the NTC10K sensor as shown in the left picture. You can make this connection for other terminals as shown in the below picture.

Upper Terminal Group (Active Analog Input)

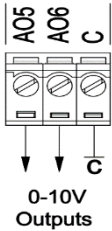


Connect the jumper to the 0-10V part to use the Universal Input as 0-10V active input as shown in the left picture.



Connect the 0-10V output cables coming from the sensors, field devices, etc. to the U1x input and connect the GND or COM cable of the related device to the “C” terminal of the IO module as shown in the left picture.

Upper Terminal Group (Analog Output)



Connect the 0-10V output IO module to the related device's 0-10V input and connect the GND or COM cable of the related device to the "C" terminal of the IO module shown in the picture.

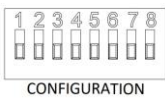
Switch Settings



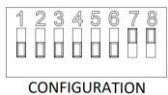
BACnet MAC Address must be adjusted between **1-247** via Address (ADDRESS) DIP Switch.



→ E.g.: Switch **1** and **3** poles must be set to **ON** position to adjust the address as **5**.



Baud rate and Parity can be adjusted via the configuration (CONFIGURATION) DIP Switch according to the "**Baud Rate Setting Table**".



→ E.g.: Switch **7**, and **8** poles must be set to **ON** position to select the baud rate **76800**.

BAUD RATE SETTING VIA CONFIGURATION DIP SWITCH			
Decimal	Dip Switch 7	Dip Switch 8	Baud Rate (bps)
0	0	0	9600
1	1	0	19200
2	0	1	38400
3	1	1	76800

Note 1: The default baud rate is 9600 bps
Note 2: The baud rate can be adjusted while the device is power off.

Baud Rate Table

According to BACnet standards, MSTP port configurations are as follows;
-8 Data Bits, None Parity, 1 Stop Bit

MAC Address: Default 1

Baudrate : Default 9600 bps

Note 1: Device Instance Number (Device ID) is automatically calculated as below;

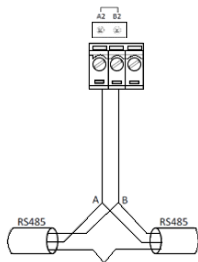
Device ID = 856 * 1000 + MAC Address

For example: MAC address: 13 => Device ID = 856 * 1000 + 13 = 856013

When the MAC address is changed, the Device ID is automatically recalculated to avoid network ID conflict. As a property of Device Object, Device ID value is writable via BACnet between 0 and 4194302. Once the Device ID is changed via BACnet, Device ID automatic calculation mentioned above is ineffective.

Note 2: MAC address and baud rate changing will become effective after power off and power on.

End of Line Resistor



Make a connection between the “A” or “+” terminal on the selected port of your communication device and the A2 terminal of your card and between the “B” or “-“terminal of your device and the B2 terminal as shown in the left figure. To activate the end-of-line resistor, activate the jumper above the word A2 B2 on the PCB.

IO344 BACnet Object List

No	Object No	Value Range	Object name	Description	First Value	W/R
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Analog Inputs

1	Analog Input #1	-50...150 °C	Temperature Input 1	This NTC10K value is measured from IN1.	0	R
2	Analog Input #2	-50...150 °C	Temperature Input 2	This NTC10K value is measured from IN2.	0	R
3	Analog Input #3	-50...150 °C	Temperature Input 3	This NTC10K value is measured from IN3.	0	R
4	Analog Input #4	-50...150 °C	Temperature Input 4	This NTC10K value is measured from IN4.	0	R
5	Analog Input #5	-50...150 °C	Temperature Input 5	This NTC10K value is measured from IN5.	0	R
6	Analog Input #6	-50...150 °C	Temperature Input 6	This NTC10K value is measured from IN6.	0	R
7	Analog Input #7	-50...150 °C	Temperature Input 7	This NTC10K value is measured from IN7.	0	R
8	Analog Input #8	-50...150 °C	Temperature Input 8	This NTC10K value is measured from IN8.	0	R
9	Analog Input #9	-50...150 °C	Temperature Input 9	This NTC10K value is measured from IN9.	0	R
10	Analog Input #10	-50...150 °C	Temperature Input 10	This NTC10K value is measured from IN10.	0	R
11	Analog Input #11	-50...150 °C	Temperature Input 11	This NTC10K value is measured from IN11.	0	R
12	Analog Input #12	-50...150 °C	Temperature Input 12	This NTC10K value is measured from IN12.	0	R
13	Analog Input #13	-50...150 °C	Temperature Input 13	This NTC10K value is measured from IN13.	0	R
14	Analog Input #14	-50...150 °C	Universal Temperature Input 1	This NTC10K value is measured from UI1.	0	R
15	Analog Input #15	-50...150 °C	Universal Temperature Input 2	This NTC10K value is measured from UI2.	0	R
16	Analog Input #16	-50...150 °C	Universal Temperature Input 3	This NTC10K value is measured from UI3.	0	R
17	Analog Input #17	-50...150 °C	Universal Temperature Input 4	This NTC10K value is measured from UI4.	0	R
18	Analog Input #18	-50...150 °C	Universal Temperature Input 5	This NTC10K value is measured from UI5.	0	R
19	Analog Input #19	-50...150 °C	Universal Temperature Input 6	This NTC10K value is measured from UI6.	0	R
20	Analog Input #20	-50...150 °C	Universal Temperature Input 7	This NTC10K value is measured from UI7.	0	R

21	Analog Input #21	-50...150 °C	Universal Temperature Input 8	This NTC10K value is measured from UI8.	0	R
22	Analog Input #22	-50...150 °C	Universal Temperature Input 9	This NTC10K value is measured from UI9.	0	R
23	Analog Input #23	-50...150 °C	Universal Temperature Input 10	This NTC10K value is measured from UI10.	0	R
24	Analog Input #24	-50...150 °C	Universal Temperature Input 11	This NTC10K value is measured from UI11.	0	R
25	Analog Input #25	-50...150 °C	Universal Temperature Input 12	This NTC10K value is measured from UI12.	0	R
26	Analog Input #26	0.0-10.0 (0...10 V)	Analog Input 1	This voltage value is measured from input AI1.	0	R
27	Analog Input #27	0.0-10.0 (0...10 V)	Analog Input 2	This voltage value is measured from input AI2.	0	R
28	Analog Input #28	0.0-10.0 (0...10 V)	Universal Analog Input 1	This voltage value is measured from input UI1.	0	R
29	Analog Input #29	0.0-10.0 (0...10 V)	Universal Analog Input 2	This voltage value is measured from input UI2.	0	R
30	Analog Input #30	0.0-10.0 (0...10 V)	Universal Analog Input 3	This voltage value is measured from input UI3.	0	R
31	Analog Input #31	0.0-10.0 (0...10 V)	Universal Analog Input 4	This voltage value is measured from input UI4.	0	R
32	Analog Input #32	0.0-10.0 (0...10 V)	Universal Analog Input 5	This voltage value is measured from input UI5.	0	R
33	Analog Input #33	0.0-10.0 (0...10 V)	Universal Analog Input 6	This voltage value is measured from input UI6.	0	R
34	Analog Input #34	0.0-10.0 (0...10 V)	Universal Analog Input 7	This voltage value is measured from input UI7.	0	R
35	Analog Input #35	0.0-10.0 (0...10 V)	Universal Analog Input 8	This voltage value is measured from input UI8.	0	R
36	Analog Input #36	0.0-10.0 (0...10 V)	Universal Analog Input 9	This voltage value is measured from input UI9.	0	R
37	Analog Input #37	0.0-10.0 (0...10 V)	Universal Analog Input 10	This voltage value is measured from input UI10.	0	R
38	Analog Input #38	0.0-10.0 (0...10 V)	Universal Analog Input 11	This voltage value is measured from input UI11.	0	R
39	Analog Input #39	0.0-10.0 (0...10 V)	Universal Analog Input 12	This voltage value is measured from input UI12.	0	R

Analog Values

40	Analog Value #1	0...10 V	Analog Output 1	This parameter adjusts the analog output voltage value.	0	R/W
41	Analog Value #2	0...10 V	Analog Output 2	This parameter adjusts the analog output voltage value.	0	R/W
42	Analog Value #3	0...10 V	Analog Output 3	This parameter adjusts the analog output voltage value.	0	R/W
43	Analog Value #4	0...10 V	Analog Output 4	This parameter adjusts the analog output voltage value.	0	R/W

44	Analog Value #5	0...10 V	Analog Output 5	This parameter adjusts the analog output voltage value.	0	R/W
45	Analog Value #6	0...10 V	Analog Output 6	This parameter adjusts the analog output voltage value.	0	R/W
46	Analog Value #7	2000...6000	Temperature Sensor Beta Value	This parameter determines the beta value used for NTC10K temperature sensors. Note: Please note that if the value of this point is changed, it will affect all temperature inputs.	3435	R/W
47	Analog Value #8	-3...3 V	Temperature Input Calibration Value 1	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
48	Analog Value #9	-3...3 V	Temperature Input Calibration Value 2	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
49	Analog Value #10	-3...3 V	Temperature Input Calibration Value 3	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
50	Analog Value #11	-3...3 V	Temperature Input Calibration Value 4	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
51	Analog Value #12	-3...3 V	Temperature Input Calibration Value 5	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
52	Analog Value #13	-3...3 V	Temperature Input Calibration Value 6	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
53	Analog Value #14	-3...3 V	Temperature Input Calibration Value 7	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
54	Analog Value #15	-3...3 V	Temperature Input Calibration Value 8	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
55	Analog Value #16	-3...3 V	Temperature Input Calibration Value 9	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
56	Analog Value #17	-3...3 V	Temperature Input Calibration Value 10	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
57	Analog Value #18	-3...3 V	Temperature Input 11	This parameter determines the calibration value of the NTC10K	0	R/W

			Calibration Value	temperature sensor that read from the IN1 input.		
58	Analog Value #19	-3...3 V	Temperature Input Calibration Value 12	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
59	Analog Value #20	-3...3 V	Temperature Input Calibration Value 13	This parameter determines the calibration value of the NTC10K temperature sensor that read from the IN1 input.	0	R/W
60	Analog Value #21	-3...3 V	Universal Temperature Input Calibration Value 1	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI1 input.	0	R/W
61	Analog Value #22	-3...3 V	Universal Temperature Input Calibration Value 2	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI2 input.	0	R/W
62	Analog Value #23	-3...3 V	Universal Temperature Input Calibration Value 3	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI3 input.	0	R/W
63	Analog Value #24	-3...3 V	Universal Temperature Input Calibration Value 4	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI4 input.	0	R/W
64	Analog Value #25	-3...3 V	Universal Temperature Input Calibration Value 5	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI5 input.	0	R/W
65	Analog Value #26	-3...3 V	Universal Temperature Input Calibration Value 6	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI6 input.	0	R/W
66	Analog Value #27	-3...3 V	Universal Temperature Input Calibration Value 7	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI7 input.	0	R/W
67	Analog Value #28	-3...3 V	Universal Temperature Input Calibration Value 8	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI8 input.	0	R/W
68	Analog Value #29	-3...3 V	Universal Temperature Input Calibration Value 9	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI9 input.	0	R/W

69	Analog Value #30	-3...3 V	Universal Temperature Input Calibration Value 10	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI10 input.	0	R/W
70	Analog Value #31	-3...3 V	Universal Temperature Input Calibration Value 11	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI11 input.	0	R/W
71	Analog Value #32	-3...3 V	Universal Temperature Input Calibration Value 12	This parameter determines the calibration value of the NTC10K temperature sensor that is read from the UI12 input.	0	R/W

Binary Inputs

72	Binary Input #1	0...1	Digital Dry Contact IN1	Input state of IN1. 0: Normally 1: Contact	0	R
73	Binary Input #2	0...1	Digital Dry Contact IN2	Input state of IN2. 0: Normally 1: Contact	0	R
74	Binary Input #3	0...1	Digital Dry Contact IN3	Input state of IN3. 0: Normally 1: Contact	0	R
75	Binary Input #4	0...1	Digital Dry Contact IN4	Input state of IN4. 0: Normally 1: Contact	0	R
76	Binary Input #5	0...1	Digital Dry Contact IN5	Input state of IN5. 0: Normally 1: Contact	0	R
77	Binary Input #6	0...1	Digital Dry Contact IN6	Input state of IN6. 0: Normally 1: Contact	0	R
78	Binary Input #7	0...1	Digital Dry Contact IN7	Input state of IN7. 0: Normally 1: Contact	0	R
79	Binary Input #8	0...1	Digital Dry Contact IN8	Input state of IN8. 0: Normally 1: Contact	0	R
80	Binary Input #9	0...1	Digital Dry Contact IN9	Input state of IN9. 0: Normally 1: Contact	0	R
81	Binary Input #10	0...1	Digital Dry Contact IN10	Input state of IN10. 0: Normally 1: Contact	0	R
82	Binary Input #11	0...1	Digital Dry Contact IN11	Input state of IN11. 0: Normally 1: Contact	0	R
83	Binary Input #12	0...1	Digital Dry Contact IN12	Input state of IN12. 0: Normally 1: Contact	0	R

84	Binary Input #13	0...1	Digital Dry Contact IN13	Input state of IN13. 0: Normally 1: Contact	0	R
85	Binary Input #14	0...1	Digital Dry Contact IN14	Input state of IN14. 0: Normally 1: Contact	0	R
86	Binary Input #15	0...1	Digital Dry Contact IN15	Input state of IN15. 0: Normally 1: Contact	0	R
87	Binary Input #16	0...1	Universal Input Dry Contact Type Selection (UI1)	This parameter adjusts the contact type of universal input UI1. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
88	Binary Input #17	0...1	Universal Input Dry Contact Type Selection (UI2)	This parameter adjusts the contact type of universal input UI2. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
89	Binary Input #18	0...1	Universal Input Dry Contact Type Selection (UI3)	This parameter adjusts the contact type of universal input UI3. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
90	Binary Input #19	0...1	Universal Input Dry Contact Type Selection (UI4)	This parameter adjusts the contact type of universal input UI4. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
91	Binary Input #20	0...1	Universal Input Dry Contact Type Selection (UI5)	This parameter adjusts the contact type of universal input UI5. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
92	Binary Input #21	0...1	Universal Input Dry Contact Type Selection (UI6)	This parameter adjusts the contact type of universal input UI6. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
93	Binary Input #22	0...1	Universal Input Dry Contact Type Selection (UI7)	This parameter adjusts the contact type of universal input UI7. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
94	Binary Input #23	0...1	Universal Input Dry Contact Type Selection (UI8)	This parameter adjusts the contact type of universal input UI8. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
95	Binary Input #24	0...1	Universal Input Dry Contact Type Selection (UI9)	This parameter adjusts the contact type of universal input UI9. 0: Normally Open (NO) 1: Normally Close (NC)	0	R

96	Binary Input #25	0...1	Universal Input (UI10) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI10. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
97	Binary Input #26	0...1	Universal Input (UI11) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI11. 0: Normally Open (NO) 1: Normally Close (NC)	0	R
98	Binary Input #27	0...1	Universal Input (UI12) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI12. 0: Normally Open (NO) 1: Normally Close (NC)	0	R

Binary Values

99	Binary Value #1	0...1	Digital Output 1	This parameter shows the relay output of DO1. 0: Relay close 1: Relay open	0	R/W
100	Binary Value #2	0...1	Digital Output 2	This parameter shows the relay output of DO2. 0: Relay close 1: Relay open	0	R/W
101	Binary Value #3	0...1	Digital Output 3	This parameter shows the relay output of DO3. 0: Relay close 1: Relay open	0	R/W
102	Binary Value #4	0...1	Digital Output 4	This parameter shows the relay output of DO4. 0: Relay close 1: Relay open	0	R/W
103	Binary Value #5	0...1	Digital Output 5	This parameter shows the relay output of DO5. 0: Relay close 1: Relay open	0	R/W

104	Binary Value #6	0...1	Digital Output 6	This parameter shows the relay output of DO6. 0: Relay close 1: Relay open	0	R/W
105	Binary Value #7	0...1	Digital Output 7	This parameter shows the relay output of DO7. 0: Relay close 1: Relay open	0	R/W
106	Binary Value #8	0...1	Digital Output 8	This parameter shows the relay output of DO8. 0: Relay close 1: Relay open	0	R/W
107	Binary Value #9	0...1	Digital Output 9	This parameter shows the relay output of DO9. 0: Relay close 1: Relay open	0	R/W
108	Binary Value #10	0...1	Passive Input Dry Contact Selection (IN1)	This parameter adjusts the contact type of passive input IN1. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
109	Binary Value #11	0...1	Passive Input Dry Contact Selection (IN2)	This parameter adjusts the contact type of passive input IN2. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
110	Binary Value #12	0...1	Passive Input Dry Contact Selection (IN3)	This parameter adjusts the contact type of passive input IN3. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
111	Binary Value #13	0...1	Passive Input Dry Contact Selection (IN4)	This parameter adjusts the contact type of passive input IN4. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
112	Binary Value #14	0...1	Passive Input Dry Contact Selection (IN5)	This parameter adjusts the contact type of passive input IN5. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
113	Binary Value #15	0...1	Passive Input Dry Contact Selection (IN6)	This parameter adjusts the contact type of passive input IN6. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
114	Binary Value #16	0...1	Passive Input Dry Contact Selection (IN7)	This parameter adjusts the contact type of passive input IN7. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
115	Binary Value #17	0...1	Passive Input Dry Contact Selection (IN8)	This parameter adjusts the contact type of passive input IN8. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W

116	Binary Value #18	0...1	Passive (IN9) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN9. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
117	Binary Value #19	0...1	Passive (IN10) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN10. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
118	Binary Value #20	0...1	Passive (IN11) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN11. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
119	Binary Value #21	0...1	Passive (IN12) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN12. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
120	Binary Value #22	0...1	Passive (IN13) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN13. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
121	Binary Value #23	0...1	Passive (IN14) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN14. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
122	Binary Value #24	0...1	Passive (IN15) Contact Selection	Input Dry Type	This parameter adjusts the contact type of passive input IN15. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
123	Binary Value #25	0...1	Universal (UI1) Contact Selection	Input Dry Type	This parameter adjusts the contact type of universal input UI1. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
124	Binary Value #26	0...1	Universal (UI2) Contact Selection	Input Dry Type	This parameter adjusts the contact type of universal input UI2. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
125	Binary Value #27	0...1	Universal (UI3) Contact Selection	Input Dry Type	This parameter adjusts the contact type of universal input UI3. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
126	Binary Value #28	0...1	Universal (UI4) Contact Selection	Input Dry Type	This parameter adjusts the contact type of universal input UI4. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W

127	Binary Value #29	0...1	Universal Input (UI5) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI5. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
128	Binary Value #30	0...1	Universal Input (UI6) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI6. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
129	Binary Value #31	0...1	Universal Input (UI7) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI7. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
130	Binary Value #32	0...1	Universal Input (UI8) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI8. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
131	Binary Value #33	0...1	Universal Input (UI9) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI9. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
132	Binary Value #34	0...1	Universal Input (UI10) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI10. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
133	Binary Value #35	0...1	Universal Input (UI11) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI11. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W
134	Binary Value #36	0...1	Universal Input (UI12) Dry Contact Type Selection	This parameter adjusts the contact type of universal input UI12. 0: Normally Open (NO) 1: Normally Close (NC)	0	R/W

Dimensions(mm)

