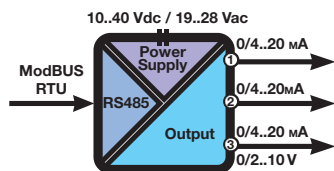




# Z-3AO

## 3-CH ANALOG OUTPUT MODULE / RS485 MODBUS RTU



Z-3AO is used to get N.3 analogue outputs (mA or V) from a ModBUS system. The standard can be either mA (0..20mA / 4..20mA) or V (-10..10 V, 0..10 V or 2..10 V).

A 3-way galvanic isolation among Power supply // input // RS485 circuits assures the integrity of your datas.

### TECHNICAL SPECIFICATIONS

#### General Data

|                       |  |
|-----------------------|--|
| Power supply          | 10..40 Vdc / 19..28 Vac / 50-60 Hz                     |
| Power consumption     | 2,5 W  |
| Isolation             | 1.500 Vac (3 way)                                      |
| Power transducers     | -  |
| Status Indicators     | Power supply, error, data transmission, data reception |
| Protection Degree     | IP20   |
| Operating Temperature | -20..+65 °C  |
| Dimension (W x H x D) | 17.5 x 100 x 112 mm                                    |
| Mounting              | 35 mm DIN rail guide                                   |

#### Communication, Memory Process

|                    |  |
|--------------------|--|
| Interface          | 2 wire RS485   |
| Speed              | Up to 57.600 bps (RS485)<br>2.400 bps (RS232)                    |
| Protocol           | ModBUS RTU slave   |
| Communication Time | < 20 ms (@ 38400 baud)   |
| Distance           | Up to 1.200 m  |
| Connectivity       | Max 32 nodes   |
| Data Memory        | EEPROM for the configuration parameters, retention time 10 years |

#### Signals

|                 |  |
|-----------------|--|
| Channel Numbers | 3  |
| Output          | VOLTAGE<br>Bipolar with settable full scale and start scale at -10 ..10 V, 0 ..10 V or 2 ..10 V.<br>CURRENT with settable full scale and start scale at 0 ..20mA or 4 ..20 mA. |

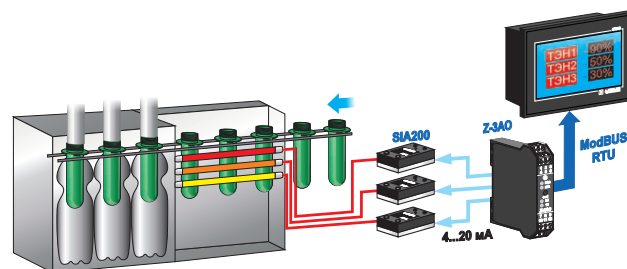
#### Programming

|              |                                      |
|--------------|--------------------------------------|
| DIP switches | Baud rate, address, output type      |
| Software     | EASY Z-3AO (plug&play free software) |

#### Standard

|          |  |
|----------|--|
| Approval | CE   |
| Norms    | EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1 |

### APPLICATION NOTE



### ORDER CODES

| Code  | Description   |
|-------|---|
| Z-3AO | 3-CH analog output module / RS485 ModBUS RTU, 10..40 Vdc / 19..28 Vac |

### ACCESSORIES & SOFTWARE

|  |   |   |
|--|---|---|
|  |   |   |
| <b>Z-PC-DIN</b><br>Backplane for power & bus communication<br>pg. 36 | <b>Z-SUPPLY</b><br>Switching power supply<br>pg. 36 | <b>EASY SETUP</b><br>Plug&Play configuration software<br>pg. 36 |

### SIMILAR PRODUCTS

|   |  |   |
|---|--|---|
|   |  |   |
| <b>Z-DAQ-PID</b><br>2-CH universal analog I/O module with PID control<br>pg. 15 | <b>Z-8AI</b><br>8-CH analog input module / RS485<br>pg. 17 | <b>Z-4-AI</b><br>4-CH analog input module / RS485<br>pg. 16 |