

## FD16DO

### 16 Digital Output Modbus Module

- 16 digital Output
- DIN-rail mounting
- Relay outputs
- Modbus RTU



### Connections and Measurements

It can be used as Remote I / O under PLC. It has 16 digital relay outputs.

- o Digital Outputs (Relay contact)

Communicates with MODBUS RTU protocol via 1 RS-485 connection  
2 RS-485 ports on the device for easy operation. The status of all ports  
is indicated by communication signal and electric LED

## Technical Specifications

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<b>General</b>	: 32 Bit işlemci ARM Cortex
<b>Supply Voltage</b>	: 24VAC $\pm$ %10 (50 - 60 Hz) veya 24VDC $\pm$ %10
<b>Power Consumption</b>	: 10VA
<b>I/O Ports</b>	: 16 Port Digital Relay output
<b>Communication Protocol</b>	: MODBUS RTU (Slave)
<b>Operating Temperature</b>	: -20 °C to 70 °C
<b>Operating Humidity</b>	: %5 to %85
<b>Storage Temperature</b>	: -40 °C to 85 °C
<b>Storage Humidity</b>	: %5 to %95 (non-condensing)
<b>Device Size</b>	: 158 x 96.5 x 58.5 mm
<b>Package size</b>	: 196 x 134 x 62 mm
<b>Weight</b>	: 300 gr
<b>Mounting</b>	: 35mm DIN Rail or Wall
<b>Termination</b>	: Screw Terminal Block

Modbus Register address :

Register type (COIL STATUS). Register addresses starting from 1 to 16 coil status.  
( For PLC type can start from 0.)

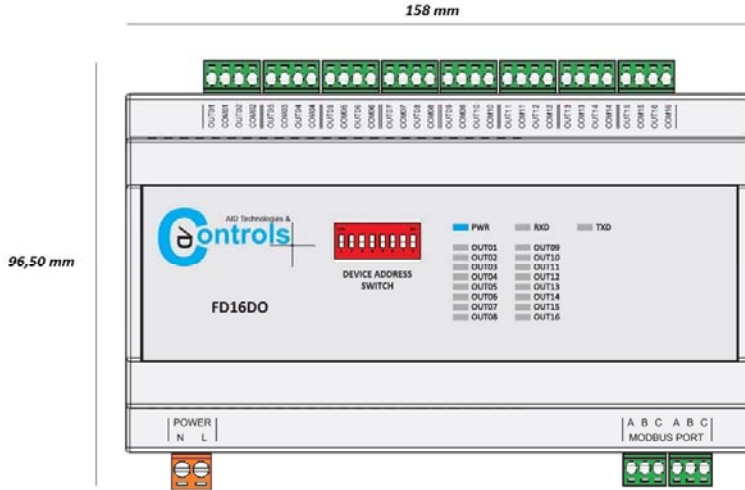
**Modbus Address:** FD16DO The Deep-Switches on the device are used to supply the Modbus address. Up to 255 addresses can be given. Each deep-switch indicates a number in binary number sequence.


- ❖ deep-switch 8 (ST128) = 128
- ❖ deep-switch 7 (ST64) = 64
- ❖ deep-switch 6 (ST32) = 32
- ❖ deep-switch 5 (ST16) = 16
- ❖ deep-switch 4 (ST8) = 8
- ❖ deep-switch 3 (ST4) = 4
- ❖ deep-switch 2 (ST2) = 2
- ❖ deep-switch 1 (ST1) = 1

**Modbus Speed:** The FD16DO Module communicates via the RS485 serial port in the Modbus RTU protocol.

- ❖ **BaudRate** : 9600
- ❖ **Databits** : 8
- ❖ **Parity** : None
- ❖ **StopBits** : 1

# DEVICE DIMENSIONS :



<p><b>Turkey :</b> UL Listed,Files ( TS EN 55024, TS EN 55032,TS EN 61000-3-2,TS EN 61000-3-3 TS EN 61000-4-3 ) Energy Management Equipment  <b>Equipment :</b> ( FD-16DO Model Only )</p>	<p><b>Compliance</b></p> 
<p><b>Contact :</b> Helenium Twins Residence Soğanlık Yeni Mah.Baltacı Mehmet Paşa Sk. No:1 B/Blok D/1 KARTAL – İSTANBUL  <b>Phone :</b> +90 216 306 31 28 <b>Mail :</b> www.aidcontrols.com</p>	

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