



*Nico*  
Technology

## I/O Module



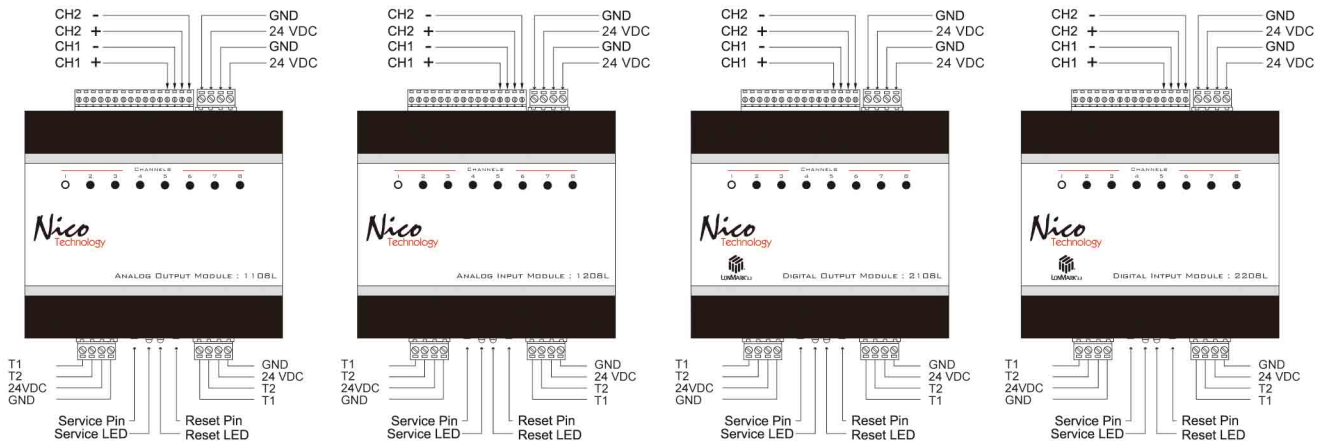
Nico I/O module controllers are cost-effective, inter-operable control systems for home, commercial building and industrial applications. The I/O module is based on the LonTalk protocol that includes peer-to-peer communication. This unit provides eight discrete, programmable 0~10VDC / 4~20mA output channels and two network connections.

The Nico I/O module controllers can be connected via LonTalk protocol to additional control system devices including touch panel, digital I/O units, sensors, security systems, card readers, lighting dimmers, hand controllers and any other LonWorks devices.





### Wiring Diagram



### Specifications

<b>Model:</b> Analog Output Module - 1108L
<b>Processor / Memory:</b> Neuron 3150 Chip 10MHz / 64K Flash
<b>Button / Indicator:</b> Service / Reset
<b>Channels &amp; Output:</b> 8 Channels, 0 ~ 10VDC @ 20mA
<b>Transceiver:</b> FTT-10
<b>Resolution:</b> 8 bits
<b>Power:</b> 24VDC
<b>Installation:</b> DIN Base
<b>Temperature:</b> 0 ~ 85 °C, Operating and non-operating
<b>Humidity:</b> 10 ~ 90%RH@50°C
<b>Certification:</b> CE Mark
<b>Function Block:</b> 1 X Node Object 1 X Local Clock 8 X Closed Loop Actuator 8 X NV Type Translator
<b>Transmission Distance:</b> 500m(Free Topology) 2700m(Free Topology)
<b>Dimension:</b> W 136mm(5.4in) X H 120mm(4.7in) X D 55mm(2.2in)

### Specifications

<b>Model:</b> Analog Input Module - 1208L
<b>Processor / Memory:</b> Neuron 3150 Chip 10MHz / 64K Flash
<b>Button / Indicator:</b> Service / Reset
<b>Channels &amp; Output:</b> 8 Channels, 0 ~ 10VDC / 4 ~ 20mA
<b>Transceiver:</b> FTT-10
<b>Resolution:</b> 12 bits
<b>Power:</b> 24VDC
<b>Installation:</b> DIN Base
<b>Temperature:</b> 0 ~ 85 °C, Operating and non-operating
<b>Humidity:</b> 10 ~ 90%RH@50°C
<b>Certification:</b> CE Mark
<b>Function Block:</b> 1 X Node Object 1 X Local Clock 8 X Closed Loop Sensor 8 X NV Type Translator
<b>Transmission Distance:</b> 500m(Free Topology) 2700m(Free Topology)
<b>Dimension:</b> W 136mm(5.4in) X H 120mm(4.7in) X D 55mm(2.2in)

### Specifications

<b>Model:</b> Digital Output Module - 2108L
<b>Processor / Memory:</b> Neuron 3150 Chip 10MHz / 64K Flash
<b>Button / Indicator:</b> Service / Reset
<b>Channels &amp; Output:</b> 8 Channels, 12 ~ 24VDC @ 100mA
<b>Transceiver:</b> FTT-10
<b>Power:</b> 24VDC
<b>Installation:</b> DIN Base
<b>Temperature:</b> 0 ~ 85 °C, Operating and non-operating
<b>Humidity:</b> 10 ~ 90%RH@50°C
<b>Certification:</b> LonMark 3.3 / CE Mark
<b>Function Block:</b> 1 X Node Object 8 X Closed Loop Actuator 8 X Switch Process
<b>Transmission Distance:</b> 500m(Free Topology) 2700m(Free Topology)
<b>Dimension:</b> W 136mm(5.4in) X H 120mm(4.7in) X D 55mm(2.2in)

### Specifications

<b>Model:</b> Digital Input Module - 2208L
<b>Processor / Memory:</b> Neuron 3150 Chip 10MHz / 64K Flash
<b>Button / Indicator:</b> Service / Reset
<b>Channels &amp; Output:</b> 8 Channels, 3 ~ 24VDC @ 5mA
<b>Transceiver:</b> FTT-10
<b>Power:</b> 12 ~ 24VDC
<b>Installation:</b> DIN Base
<b>Temperature:</b> 0 ~ 85 °C, Operating and non-operating
<b>Humidity:</b> 10 ~ 90%RH @50°C
<b>Certification:</b> LonMark 3.3 / CE Mark
<b>Function Block:</b> 1 X Node Object 1 X Local Clock 8 X Open Loop Sensor 8 X Switch Process
<b>Transmission Distance:</b> 500m(Free Topology) 2700m(Free Topology)
<b>Dimension:</b> W 136mm(5.4in) X H 120mm(4.7in) X D 55mm(2.2in)

**1108L:** Connecting and control in frequency conversion of motor, to control water gate etc.

**1208L:** Connecting to Temperature/Humidity Sensors, Level Gauge etc.

**2108L:** Connection to Beeper, electric door lock, relay etc.

**2208L:** Connection and receiving motion sensor, magnetic core. Sensor for broken glass etc.