SI-2-NA – System Integrator

Overview
System integration node for controlling third party equipment, e.g. audio visual and building management systems through the iCAN network. It is an RS232 converter for interfacing with third-party devices to and from the iCAN network.

The SI-2-NA enables control of a wide range of equipment through the iLumin user interfaces such as: audio systems, TVs, projectors, blinds, curtains, Security & Fire alarms, and BMS.

The SI-2-NA can be programmed to support application specific partitioning spaces. Use the SI-2-NA-CP when specifying special partitioning spaces.

Integrators can choose between using built-in simple ASCII strings for control and status or using customized strings and functions.

Features
- Configurable RS232 COMMS via 9 pin female D type (send/receive)
- Adjustable baud rates of 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
- Send and receive standard iLumin ASCII messages
- 100 customizable RS232 Output Strings, up to 255 bytes each (ASCII or Hex)
- 100 customizable Output Actions, triggered by a “trigger” CAN message. Each action can send a RS232 string, send a CAN message, or control a sequence.
- 100 customizable RS232 Input Filters, up to 255 bytes each (ASCII or Hex)
- 100 customizable Input Actions, triggered by a match on an input filter
- 16 Sequences, each with a maximum of 128 actions
- Status LEDs

Catalog# Prepared by
Project Date
Comments Type
Specifications

Electrical Data
Supply: 12 Vdc via the network
iCANnet connection: Screw terminals with two part connectors, able to accept 16 AWG (1.5mm²) stranded or solid wire.
RS232: 9 pin female ‘D’ type connector

Mechanical Data
2-part aluminium housing.
Mounting: 6 holes for screw mounting or with Ty-wraps

Environmental Data
Temperature Range: 32°F to 104°F (0°C - 40°C)
Humidity: 0% - 95% non-condensing

Standards

Dimensions
(Inches/mm)

Wiring Diagram

iCANnet cable type - Cooper LC Cable or Belden™ 1502R(NON PLENUM) or 1502P (PLENUM)
Can power up to 10 devices with a cable length not exceeding 1000’
For additional devices or longer cable lengths add a 15 Vdc power supply
100 Devices per physical segment on iCANnet
(BN-2-NA can be added to combine more than 100 devices together, up to 65000 total)
Sample System Topology

Ordering

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<td>SI-2-NA</td>
<td>System Integrator</td>
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<tr>
<td>SI-2-NA-CP</td>
<td>Custom Programmed Partitioning Device (partitioning information required at order placement)</td>
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