

## Network Interface Device

### Model NID-1002-01

### “Silver Box”

### With Remote Controlled Relays



#### Applications:

The “Silver Box”, Model NID-1002-01, is a version of the “Silver Box”, Model NID 1002-00, with the addition of two inputs and two relays in each “Silver Box”. The audio section of this new “Silver Box” is the same as in original “Silver Box”, NID-1002-00.

The inputs can be used to monitor switches, levels, etc. When an input at one “Silver Box” changes state, this information is transmitted, via an SSL connection, to the “Silver Box” at the other end, causing a relay to be energized.

A sample application:

Two “Silver Boxes”, designated SB-A and SB-B, form a “circuit”.

SB-A is located at a door entryway and one of the inputs of SB-A is connected to a Call Button. At the other end, which is the Security Office where SB-B is located, the corresponding relay is connected to an alarm device.

One of the inputs of SB-B is connected to a Door Control Switch. At the other end (SB-A), the corresponding relay is used to control a door lock.

A person wishing entry will press the Call Button. The alarm device will be activated at the Security Office. After verifying the person’s identity, the security personnel will activate the Door Control Switch, resulting in the unlocking of the door.

The Inputs use the same circuit configuration as the COR input. This allows the inputs to be configured to be high-going, low-going or dry closure. The relays provide a Normally Open contact that closes when the relay is energized.

SSL is used for communication between the “Silver Boxes” when the relays are being controlled.

## Specifications:

(See brochure for NID-1002-00 for additional product description and specifications)

Input Power	12 Volts DC (15 VDC Max) Protected by fuse and TVS
Current Requirement:	Nominal 250 mA @ 12 VDC
Ethernet Connection:	10/100 Ethernet Connectivity, RJ45 Connector
Protocol Used:	UDP
Audio Codecs:	SSL used for input/relay communication g.711 A-law, g.711 U-Law and G.729A
Temperature Range:	-20C to +60C
Dimensions:	5 1/2" Wide x 6 3/4" Deep x 1 3/4" Tall
Analog Line Connection:	2-Wire or 4-Wire, 600 Ohm or Hi-Z Termination Protected by blocking capacitors and TVS



Rear View of Silver Box, NID-1002-01

## Ordering Information:

NID-1002-01: "Silver Box" Analog to VOIP Interface Device

17-55064-3S: Rack Mounting Kit (Mount up to 3 "Silver Boxes" in a single rack space)

17-55064-6S: Rack Mounting Kit (Mount up to 6 "Silver Boxes" in 2 rack spaces)

