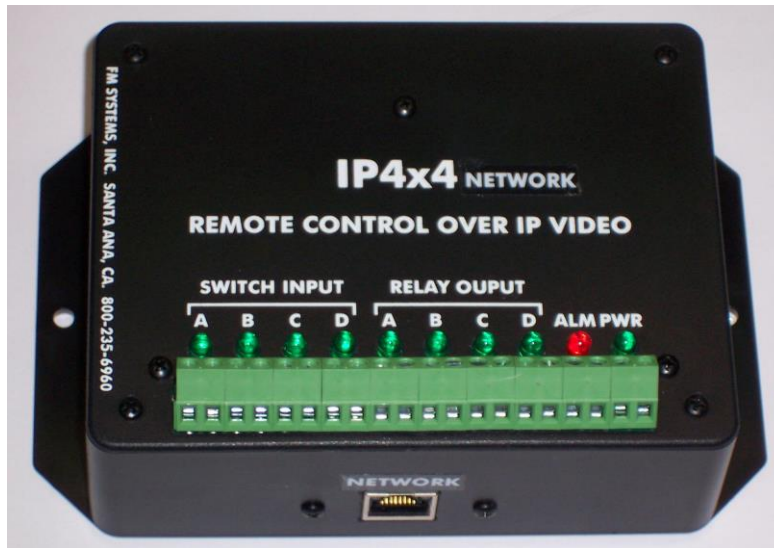# IP4x4N

TWO WAY RELAY CONTROL ON NETWORK IP

The IP4x4N is a relay control system that puts two-way contact relays onto any IP network using a standard TCP/IP signal. This system is used to install relay access control, emergency push buttons or any relay control requirement anywhere an IP network connection is available. Two IP4x4N units are used, anywhere in a network where switch input and relay output are required. The pair of IP4x4N units are installed the same way any other IP network device is installed using a reverse network cable for direct connection to each other, or a straight cable for connection to a network switch. Two units are required for two way relay control.

Say you want to have a push button at a gate to announce someone at the gate. Then you want to open the gate with a switch in the opposite direction, you can do this with as many as 4 different controls in both directions. That is a total of 8 controls on the same IP network.

The units have LED indicators for both the input switch signals and the relay output signals to monitor the status of all incoming and outgoing signals. The relay outputs can be set for normally open or normally closed contacts to work with any external equipment requirements. It is powered by 12 Volts DC.

For added security the system has a two way "system alarm" relay and LED to indicate loss of communication between the two units caused by a signal disconnect, cable failure, or power loss at either end of the system. You get both transceivers with power supplies all included when you order the IP4x4N. You can also order this unit with supervised alarm contacts for even greater security at no additional cost. When ordering a supervised system, specify the loop resistance and order part number IP4x4NS. The IP4x4N passes but does not use "P.O.E.

SWITCH INPUT / RELAY OUTPUT

SPECIFICATIONS

Contact Input Connectors	2 Position Screw Terminal (4 inputs)
Contact Output Connectors	2 Position Screw Terminal (4 outputs)
System Alarm Connector	2 Position Screw Terminal (1 output)
RC Loop "Supervision"	Optional Please Specify

NETWORK CONNECTION

Data Speed	10/100Mbit (Auto-Sensing)
Protocol	TCP/IP
Connector	8P8C (RJ45)
P.O.E.	Not Used (Terminated)
Data Rate	9600 Baud (Relay Data)
Bi-Color LEDs	Activity and Transmission Status

MECHANICAL

Size	5.50"L X 3.3"W X 2.0"D
Power	24 Volts AC/DC 100mA
Power cube	24 Volts AC (2 included)

IP4x4Nspc