LynxNet 128i

32,64,96 or 128 Channel Input Device

The LynxNet 128i series is a network based input device that can be purchased with 32, 64, 96 or 128 input channels. When an input is activated, an alarm is sent to the LynxGuide server, the LynxNet 128i can be configured to activate any Lynx output or combination of outputs. The LynxNet 128i device can instantly send alerts from any of the dry contact inputs. Inputs are programmable “Normally Open” or “Normally Closed”, using the web interface. Wire integrity to the end point of the inputs, can be supervised using supplied EOL resistors. The test feature makes it easy to test alarms and create monthly reports. The LynxNet 128i input device is ideal for applications where existing duress buttons need to be updated or for any device with a relay output that needs to be monitored. Existing wiring can be used with the LynxNet 128i to allow the alarms to be sent to the LynxGuide server, activating any single or combination of Lynx system outputs.

128 Channel Interior

RS-232: for diagnostics and troubleshooting
USB: for diagnostics and troubleshooting
LINK LED: indicates network traffic
LAN LED: indicates network speed
STAT LED: indicates activity to and from the LynxGuide server.
TEST BUTTON: Sends a test message to the LynxGuide server.
POWER LED:
Solid RED: not connected to the LynxGuide server.
Flashing RED: communication lost to LynxGuide server.
Flashing GREEN: connected to the LynxGuide server.
RJ-45 Ethernet Connector: for initial network configuration and network connection.

Specifications:
Width: 12.00”
Length: 18.25”
Height: 4.0”
Weight: 17.5 Lbs. (128 channel series)
Power Supply:
Input: 100-240 Vac, 1.0 A (max)
Output: 5 VDC, 38W, 7.5Amp
Supervision Interval: 5 minutes
EOL Resistor range: 2.2K to 5.1K ohms
Included ELO Resistor: 3.3K ohms
EOL Max Wire Length: 24 AWG, 1 mile
Connection: Removable 8 wire terminal block

Communication Protocol

In legacy mode, the LynxNet hardware devices and the LynxGuide server communicate by sending HTTP requests on port 80.
In secure mode, the LynxNet hardware achieves bidirectional communication through a client-initiated, persistent socket session to the LynxGuide server on ports 10117-10121. No network ingress connections are required. All server communications are TLS 1.2 encrypted. In addition to providing security, this method is ideal if the hardware is behind a gateway, as no NAT rules are required to achieve connectivity.

Developed, Manufactured and Supported in the USA

LYNX-32i-3	32 Channel Hardwired, Input device
LYNX-64i-3	64 Channel Hardwired, Input device
LYNX-96i-3	96 Channel Hardwired, Input device
LYNX-128i-3	128 Channel Hardwired, Input device