



MATRIX



Alarm Module Datasheet

N-Connex. Networks for harsh environments.

Overview

The NLT N-Connex Alarm module provides an emergency warning solution for the N-Connex Network. The module features a high intensity strobe light (various colours available), a 110db siren and an illuminated emergency pushbutton. The module is powered by PoE and is designed to be connected to N-Connex Distribution or Edge modules via CAT6 cables. Combined with NLT Ethernet extenders, it may be positioned up to 300m away from the Edge or Distribution modules. The Alarm is compatible with third party PoE equipment and the alarm function can be triggered via Modbus/TCP.

Powered by NLT Digital Mine Software

The Alarm module can be managed by NLT Digital Mine Software and multiple modules can be programmed to respond suitably during an emergency event. Alarms can be configured for zone specific or full-site operation. The module can be further enhanced as a safety solution by the NLT Digital Mine Environmental Monitoring module and can be triggered if environmental measurements (such as gas, airflow, or strata) exceed a pre-set threshold.

Ruggedized for Mining

The N-Connex system is ruggedized and fit-for-purpose. Designed with miners in mind, it is built for harsh environments and protected from water ingress with an IP67 rating. The module is designed for simple and fast deployment and may be installed on the N-Connex Rail mounting system or independently in a standalone configuration.

Note: Technical specifications are subject to change without notice.
NLTGlobalAlarmEN-V1

Key Features

- Remote trigger via Digital Mine or Modbus/TCP
- Local trigger via illuminated push button
- Weatherproof IP67 enclosure
- 110dB siren and high intensity strobe

Specifications

Siren Sound Level	110 dB
Power Consumption	4.2W
Mounting	N-Connex Rail or Hang-tab
Weight	5.3 kg
Unit Dimensions	269mm(L) x 300 mm (H) x 197 mm (D)
Regulatory Compliance	IEEE 802.af (PoE)
Ingress Protection	IP67 (IP66 Siren)
Operating Temperature	-10°C to +45°C
Storage Temperature	-20C to +65C
Ambient Humidity	5% to 95% RH (non-condensing)

Product Part Numbers

NC0600	N-Connex Alarm Module
NC1100	N-Connex Rail Assembly & Brackets

Matrix is the authorized sales and service distributor of NLT N-Connex in the United States and Europe.

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