Self-Contained, Easy-To-Use, Remote Access, Scheduling Bells from Web Browser, No Software Required to Install on Your Computer

Applications

Provide remote access to control timed alert system for:

- Schools
- Office Buildings
- Small Factories, Warehouses
- Any other timed alert system.

The Key Features

- Network enabled, access the Netbell software from web browser
- Up to 10 sets of schedules, each schedule can contain up to 500 events
- Flexible and accurate control of when the bells ring (HH:MM:SS,MM/DD/YYYY, SUNDAY- SATURDAY)
- Built-in real time clock syncs its time from NTP server every 30 minutes (user changeable)
- Built-in rechargeable battery protected auxiliary real time clock
- Use as either a network device or a standalone device
- Designed, developed and built in the USA with global materials

Linortek Netbell® is an ease-of-use, network enabled, custom developed device for schools, factories, warehouses and other organizations to build a fully automated web-based timed alert system for signaling shift changes, general alarm, and breaks in areas of high ambient noise levels. The system is built on a TCP/IP platform with a built in web server, which allows users to access, control, and schedule the bells accurately and effectively using an Internet connection from anywhere over the network, with no additional software or designated computer required.

The Ultra 300 is the latest development of Linortek web-enabled Ethernet I/O controller. Equipped with MQTT protocol, hardware-based encryption. It supports HTTPS connections, encrypted email servers, CAN interface and so many more new features .

The Netbell-Ultra 300 is built on the Ultra 300 platform with bell scheduling software. It's housed in a DIN-rail mountable enclosure with 2 relay outputs, 2 digital inputs. The outputs can be used to control up to 2 devices. The digital inputs allow for the wiring of a push switch for manual bell ringing in emergencies.

With significantly increased RAM and FLASH memory, the Netbell-Ultra 300 can store up to 10 sets of schedules. This feature is perfect for schools and factories managing regular day, half-day, holiday schedules, and more.

Netbell® Bell Controller Technical Specifications

Item	Description	Netbell-NTG	Netbell-Ultra 300	Netbell-2	Netbell-4K	Netbell-8
Software	Built-in web-based software	√	√	√	√	√
Network Connectivity	Ethernet Port: 10/100Base-TX PoE	√	√	√	×	×
	Ethernet Port: 10/100Base-TX NIC	×	×	×	√	√
Configuration	From web browser	√	√	√	√	√
Schedule	Numbers of schedule	8*	10	1	1	1
Event	Up to 500 events	√	√	√	√	√
Built-in Tones	40 standard tones w/ custom pre-recorded messages up to 10 hours	√	×	×	×	×
Relay Output	Dry contact, signal relay,2 Form C, 1A @ 30VDC	0	2	0	0	0
	Dry contact: 1 Form A 48VAC@8A Max	0	0	2	4	0
	Dry contact, 1 Form C 48 Volt Max (12VDC/5A, 24VAC/DC 3A)	2	0	0	0	0
	Dry contact, 1 Form C 48 Volt Max (5A@NO, 3A@NC)	0	0	0	0	8
Digital Input	ISO mode: 5-24VDC @30mA max, PU mode: Used with a switch	4	2	2	1	0
Analog Input	Voltage: 5V or current 4-20mA	0	2	0	0	0
	Temperature & humidity sensor input	0	1	1	0	0
Security Protocols	TLS, SSL	×	√	×	×	×
Network Services	DHCP, DNS, TCP/IP (IPv4), UDP, HTTPs	√*	√	√*	√*	√*
Firmware Updates	Bootloader app through TCP/IP	√	√	√	√	√
Power Input	12VDC	√	√	√	×	√
	12VAC	×	×	×	√	×
	POE	√	√	√	×	√
Accessories	Power supply	√	√	√	√	√
	RJ45 cable	√	√	√	√	√
Physical &Environment	Enclosure	Polycarbonate	DINRail mountable	NEMA(IP66) rated	Bare board	
	Dimensions (MM)	125 x 175 x 60	70 x 100 x 25	150 x 150 x 90	74 x 100 x 20	
	Working temperature	From 0 to +65 Celsius				
	Storage temperature	From -40 to +125 Celsius				
	Humidity	From 10% to 90% Non-condensing				

* HTTPs is not supported, only HTTP.

*By assigning different tones to different relays (up to 8)