



VOLT X A32 DATA SHEET

Programmable Alarm Annunciator



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KEY FEATURES

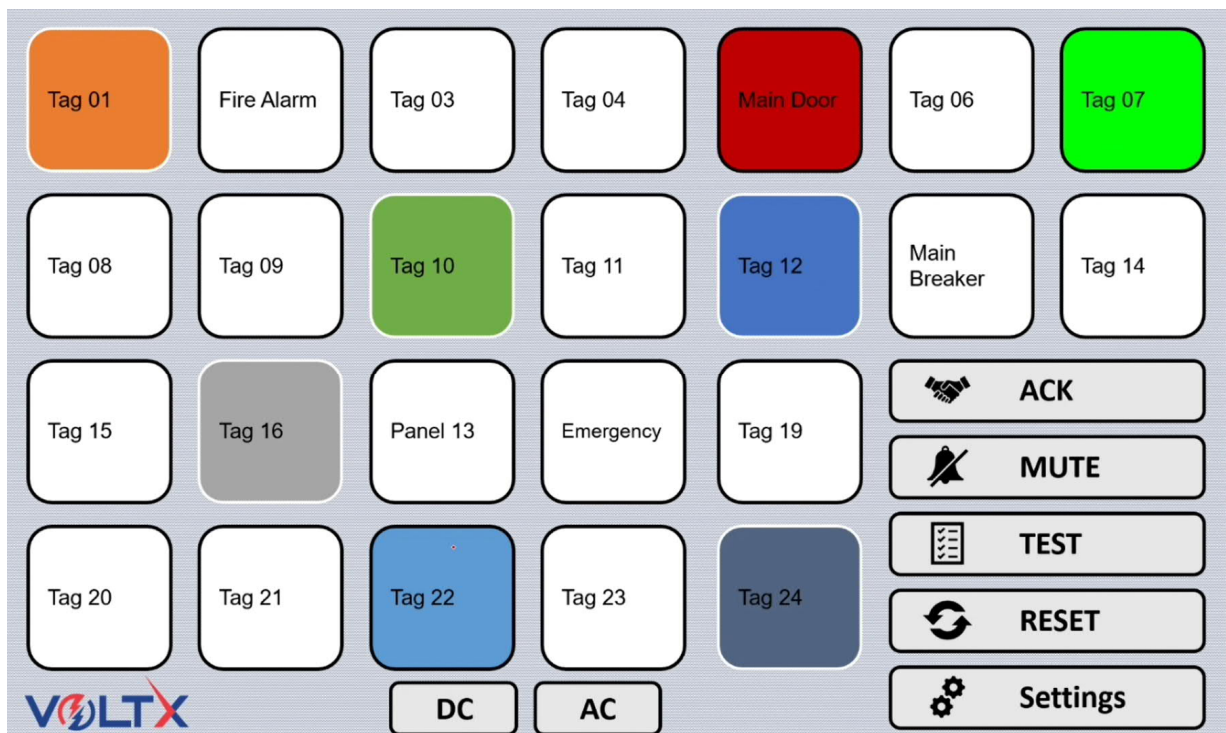
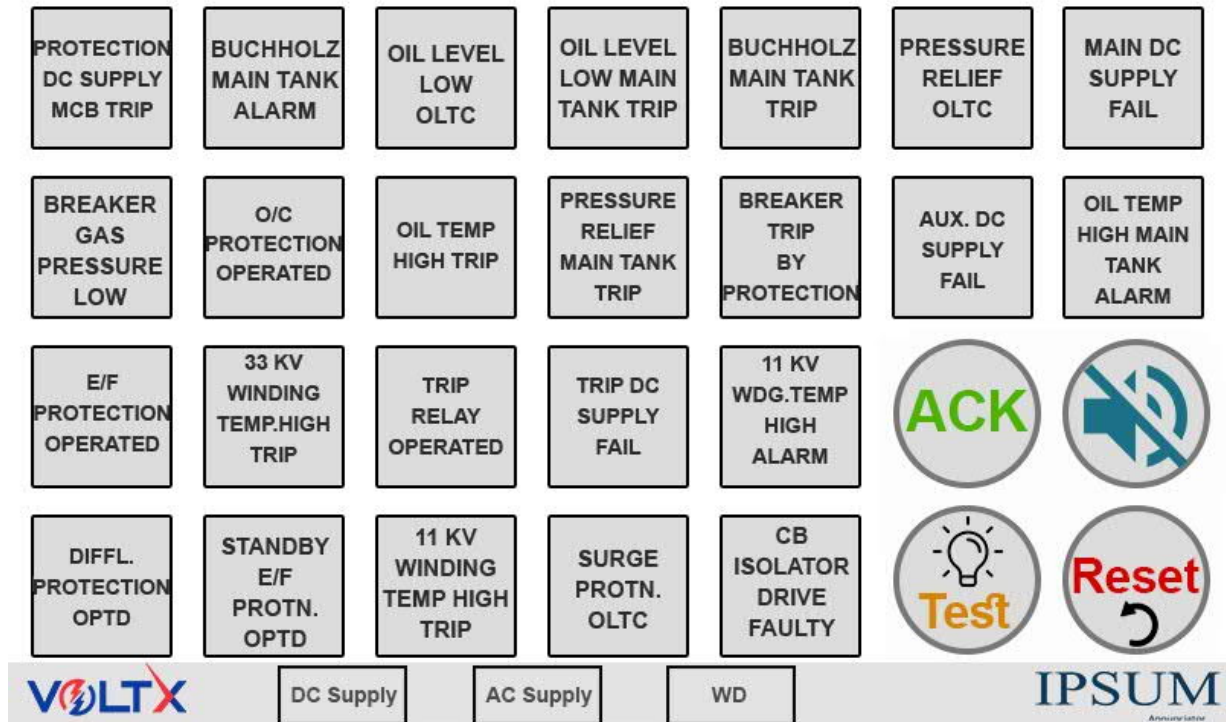
- **Wide Input Voltage Range:** Supports various power supply options, including 220 VAC and 220 VDC, with custom configurations available.
- **Advanced LCD Touch Interface:** Intuitive 7-inch LCD touch screen with customizable alarm colors, names, and sequences for easy monitoring and control.
- **Flexible Configuration:** Fully programmable alarm sequences to suit diverse operational requirements.
- **High Input Isolation:** Optically coupled inputs for enhanced safety and noise immunity in industrial environments.
- **Relay repeater:** Supports integration with SCADA and other industrial systems via **relay contact repeaters**.
- **Multi-Protocol Compatibility:** Supports integration with SCADA and other industrial systems via **optional** communication interfaces (e.g., CANBUS) – Optional communication interface is up on request.
- **Enhanced Safety Features:** Redundant power supplies ensure uninterrupted operation in critical applications.
- **Scalable Design:** Expandable configurations available for projects requiring 24, 32 and 48 alarm channels.
- **Environmentally Robust:** Operates reliably in harsh industrial environments, with a rugged enclosure

DESCRIPTION

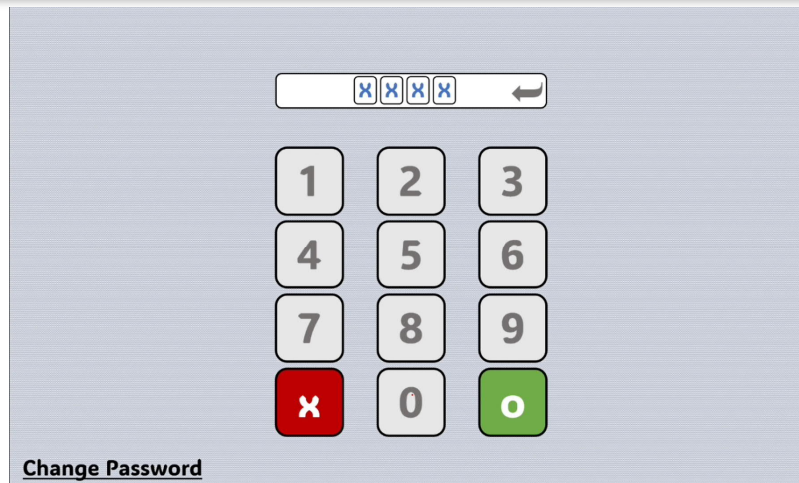
1. VOLT X A32 is a Programmable Alarm Annunciator which is easy to be programmed for chosen of operational alarm sequences.
2. The VOLT X A32 is a compact and simple design for applications where panel space is at a premium.
3. VOLT X A provides a high level of reliability in safety critical applications, it is equipped with integrated dual power supplies either 220 VAC or 220 VDC (Other supply option is available upon request).
4. All inputs are optically coupled.
5. Alarms operated from a normally open signal contact supplied from the VOLT X A32 or from an external source.
6. The LCD Touch Screen 7 inch, provides the Acknowledge, Mute, and Reset functions which control the operation of the standard alarms within the instrument.
7. The LCD Touch Screen 7 inch provides reliability, Alarm color and name changing over pushbuttons/LEDs.
8. All connections are made on the rear / bottom of the unit using plugging terminal blocks accepting up to 2.5 mm² wires.

FRONT PANEL DESCRIPTION

The Panel is quiet Easy access and powerful operation tool with complete safety integrity features.



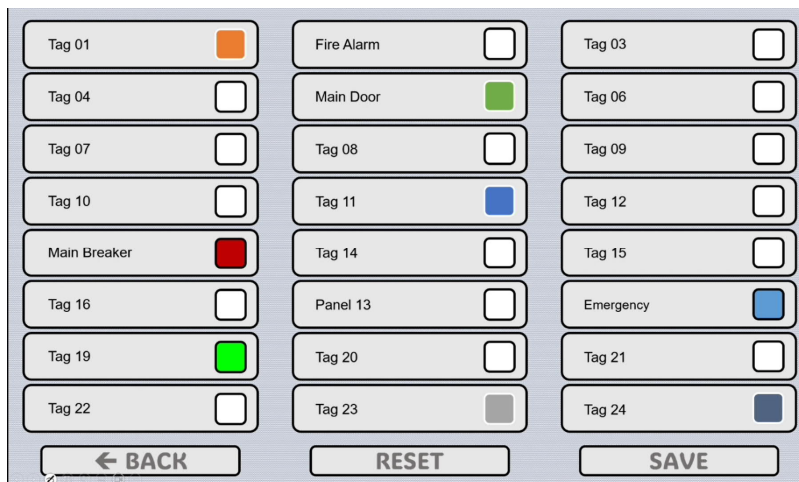
Example for the main screen tags (24 Tags)



Change Password

XXXX

1	2	3
4	5	6
7	8	9
X	0	o



Tag 01	Fire Alarm	Tag 03
Tag 04	Main Door	Tag 06
Tag 07	Tag 08	Tag 09
Tag 10	Tag 11	Tag 12
Main Breaker	Tag 14	Tag 15
Tag 16	Panel 13	Emergency
Tag 19	Tag 20	Tag 21
Tag 22	Tag 23	Tag 24

← BACK RESET SAVE

Example for configuration pages on HMI Screen



TAG EDITOR

TAG ID : 01

TAG NAME : TAG 01

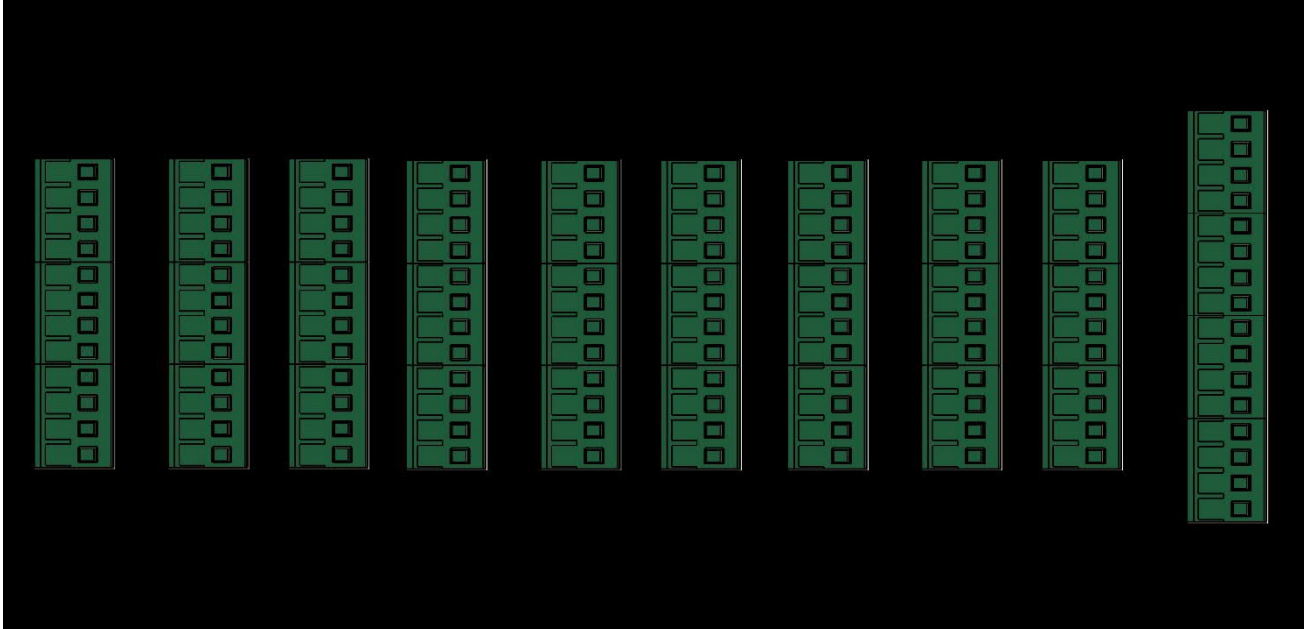
TAG COLOR : ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

INPUT TIME DELAY : 0.5 S 1 S 2 S 5 S 10 S 20 S

OUTPUT TIME DELAY : 0.5 S 1 S 2 S 5 S 10 S 20 S

← CANCEL OK

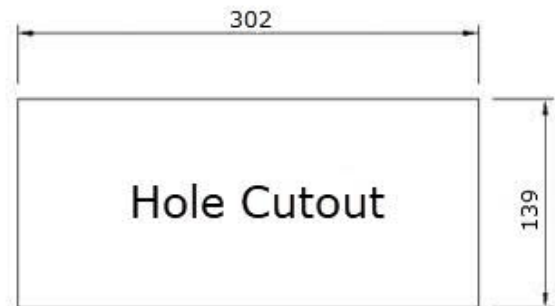
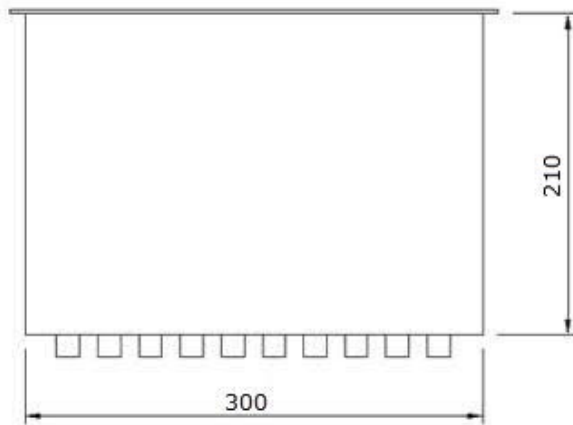
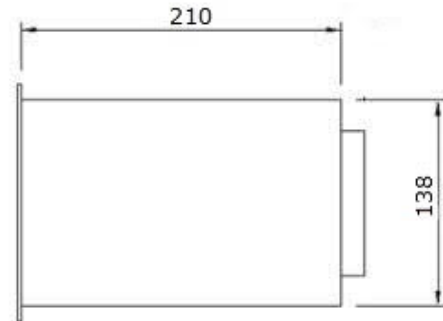
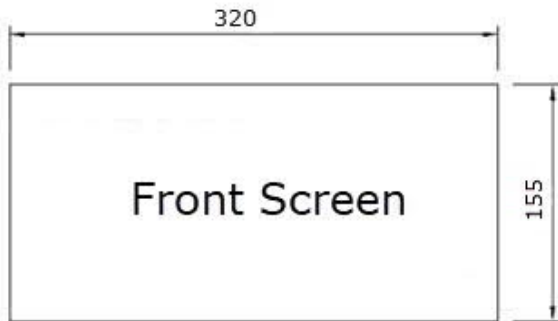
Example for Tag configuration settings on HMI Screen

REAR PANEL CONNECTIONS

1 x vertical connection plug with 16 pin

9 x vertical connection plug with 12 pin

Dimension and Cutout



Support Resources

For a step-by-step guide on device connection, configuration, and operation, a detailed operation video is available.

- **Produced by:** VOLT X R&D Team
- **Access:** Scan the QR code below:



- **Contents:**
 1. Device connection and wiring
 2. Configuration of alarm Tag and its settings
 3. Demonstration of key features and operations

Note: The video is designed to simplify installation and operation for end-users and integrators.

TECHNICAL SPECIFICATIONS FOR VOLT X A32 ALARM ANNUNCIATOR

General Specifications

- **Model:** VOLT X A32 Programmable Alarm Annunciator
 - **Dimensions (L × W × D):** 320 mm × 155 mm × 210 mm
 - **Panel Cutout Dimensions (L × W):** 302 mm × 139 mm
 - **Weight:** Approx. 1.8 kg
 - **Display:** 7-inch LCD Touch Screen, full-color, high resolution
 - **Power Consumption:** Max 40 W
 - **Operating Temperature Range:** 0°C to +50°C
 - **Storage Temperature Range:** -20°C to +70°C
 - **Humidity:** 10% to 90% RH (non-condensing)
-

Power Supply

- **First Supply:** 220 VAC ±10%, 50/60 Hz
 - **Second Supply:** 220 VDC ±10%
 - **Redundancy:** Dual power supply integration for uninterrupted operation
 - **Custom Supply Options:** Available upon request
-

Inputs

- **Number of Inputs:** Configurable, 24, 32, or 48 channels. A32 version is 32 inputs
 - **Input Type:** Optically isolated, normally open signal contacts
 - **Input Voltage:** 24 VDC / 220VDC
 - **Input Current:** 1 mA max per input
 - **Input Delay Time:** 0.5s, 1s, 2s, 5s, 10s or 20s
 - **Reset Delay Time:** 0.5s, 1s, 2s, 5s, 10s or 20s
-

Outputs

- **Relay Repeater Outputs:** Potential-free changeover relay contacts
 - **Maximum Contact Rating:** 5A at 220 VAC or 220 VDC
-

Display and Control

- **User Interface:** 7-inch touch screen for configuration, alarm acknowledgment, mute, and reset
 - **Alarm Customization:** Configurable colors, tags, and labels for intuitive operation
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OPTIONAL Connectivity

- **Communication Protocols:** Optional CANBUS (on request), Wi-Fi (on request)
 - **Terminal Blocks:** Rear/bottom-mounted pluggable terminal blocks, accepts wires up to 2.5 mm²
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Reliability and Safety

- **Watchdog Circuit:** Continuous monitoring of internal systems
 - **Input Isolation:** High isolation via optical coupling
 - **Fail-Safe Features:** Default state relay activation for critical alarms
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Optional Features

- **Communication Interfaces:** Optional CANBUS module, or Wi-Fi
- **Additional Input/Output Expansion:** Available for larger systems
- **Custom Enclosure Designs:** For specific environmental requirements

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