# VESDA-E VEA 40-RELAY LOCAL STAX

## VER-A40-40-STX

The VESDA-E Local Relay StaX allows signaling of alarm location from the detector via relays as secondary reporting information and provides mounting of fire panel loop input modules inside the enclosure. It is directly powered and controlled from the detector. It is mandatory to connect Fire 1 relay wiring to the FACP for primary alarm reporting.

Depending on the configuration, a VEA detector can power and control up to three (3) Relay StaX. Each Relay StaX provides 40 relay connections corresponding to 40 tubes on a VEA detector providing full addressability.

## Installation

The Relay StaX features a robust IP40-rated enclosure. The Relay StaX has the same dimensions as the VEA detector making it easy to install. It can be mounted above or below the detector.

A spacer is provided to precisely align the Local Relay StaX mounting bracket with the detector mounting bracket, the same spacer is used to provide correct spacing in case of direct mounting to the wall.

The Relay StaX is fully supported by the Xtralis VSC software package for commissioning and maintenance.

## Features

- 40 relays
- Each relay responds to a smoke event located on one tube of the detector
- Provides for mounting of loop modules inside enclosure
- IP 40 enclosure (not UL tested)
- Easy mounting with optional steel support bracket

## Listings / Approvals

- UL
- ULC
- CE
- UKCA
- EN 54-20
- Other major agency approvals pending

Regional approvals listings and regulatory compliance vary between product models. Refer to www.xtralis.com for the latest product approvals matrix.

# VESDA-E VEA 40-RELAY LOCAL STAX

## TECHNICAL SPECIFICATIONS

## How it works

When the VESDA-E VEA-040-A10 detector detects an alarm it then scans to determine which tubes have smoke present. The Relay StaX will turn on the relay corresponding to each tube for which smoke has been found.

- **Relay Mapping:** Relays 1 to 40 correspond to tubes 1 to 40 for the detector.
- **Latching:** The Local Relay StaX relay latching will follow the detector's Alarm latching configuration.

## Specifications

| | |
|---|---|
| **Supply Voltage** | 18 to 30 VDC (24 VDC Nominal) |
| **Power Consumption @ 24VDC** | Average Quiescent: 20 mA<br>Average Alarm: 250 mA |
| **Dimensions (WHD)** | 352.05 mm x 340.5 mm x 135.5 mm (13.9 in x 13.4 in x 5.3 in) |
| **Weight** | 5.1 kg (11.22 lbs) |
| **Operating Conditions** | Ambient: 0°C to 39°C (32°F to 102°F)<br>Tested to:<br>• EN 54-20: -10°C to +55°C (+14°F to +131°F)<br>• UL: 0°C to +49°C (+32°F to +120°F)<br>Humidity: 5% to 95% RH, non-condensing |
| **Storage Conditions (Non-Operational)** | Humidity: Dry (<95%)<br>Temperature: 0° to 85°C<br>Must not be exposed to sunlight or other radiation sources |
| **Relays** | 40 relays<br>Contacts rated 2 A @ 30 VDC (Resistive)<br>Programmable to latch or not latch |
| **IP Rating** | IP40 (not UL tested) |
| **Cable Access** | 4 x 25 mm (1") cable entries |
| **Cable Termination** | Screw terminal blocks (0.2-1.5 sq mm, 24-16 AWG) |

## Ordering Information

| Ordering Code | Description |
|---|---|
| **VER-A40-40-STX** | VESDA-E VEA 40-Relay Local StaX |

## Spare Parts

| Ordering Code | Description |
|---|---|
| **VSP-970** | VESDA-E VEA-40 Mounting Bracket |

## Approvals Compliance

Please refer to the Product Guide for details regarding compliant design, installation and commissioning.



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