

# VESDA Open Protocol HLI™

Wall-Mounted  
VHX-1300 or VHX-1310



## Wall-Mounted Open Protocol High Level Interface

The VESDA Wall-Mounted Open Protocol High Level Interface (HLI) links your VESDAnet<sup>1</sup> with PC software monitoring tools, Building Management Systems (BMSs) and Fire Alarm Control Panels (FACPs), otherwise known as 'host'.

With a built-in VESDAnet interface you don't need a remote VESDAnet socket module, which makes the Wall-mounted HLI a cost effective solution to your interface requirements.

There are two models available, depending on whether you require communication between your host and VESDAnet to be master-slave or peer-to-peer.

### VHX-1310 Wall-Mounted Open Protocol HLI (master-slave)

In the master-slave model, the host supervises the communications link between itself and the HLI (slave) by regularly polling the HLI to determine whether there has been a change in the status of a detector on VESDAnet. In response to polling by the host, the HLI generates a single response which is sent back to the host. In this way, no unsolicited messages are sent from the HLI to the host. Depending on the polling strategy adopted, the Master/Slave Open Protocol HLI is able to report any and all fire alarms within a few seconds of a detector going into alarm. Exact performance is dependent on the polling strategy adopted.

### VHX-1300 Wall-Mounted Open Protocol HLI (peer-to-peer)

In the peer-to-peer model, the host polls the HLI for information about devices on VESDAnet, while the HLI sends unsolicited messages to the host. In this way, both the HLI and host are responsible for supervising the communications link between them.

In the peer-to-peer model, the host can request and receive multiple messages from the HLI.

<sup>1</sup>VESDAnet is a propriety communications protocol allowing your Xtralis VESDA range of smoke detectors, displays, programmers and remote units (collectively known as devices) to communicate with each other on the one network. VESDAnet is a fault tolerant bi-directional protocol. This means that if one direction of communication fails, then your VESDAnet messages are transmitted in the opposite direction.

## Features

- Direct access and monitoring of your entire VESDAnet system
- Seamless data transfer
- Easily configured using Xtralis configuring and monitoring software packages.

## Listings/Approvals

VESDA HLIs are recommended for monitoring only. They are not approved for use as a primary reporting device.

## Information available using the Open Protocol HLI

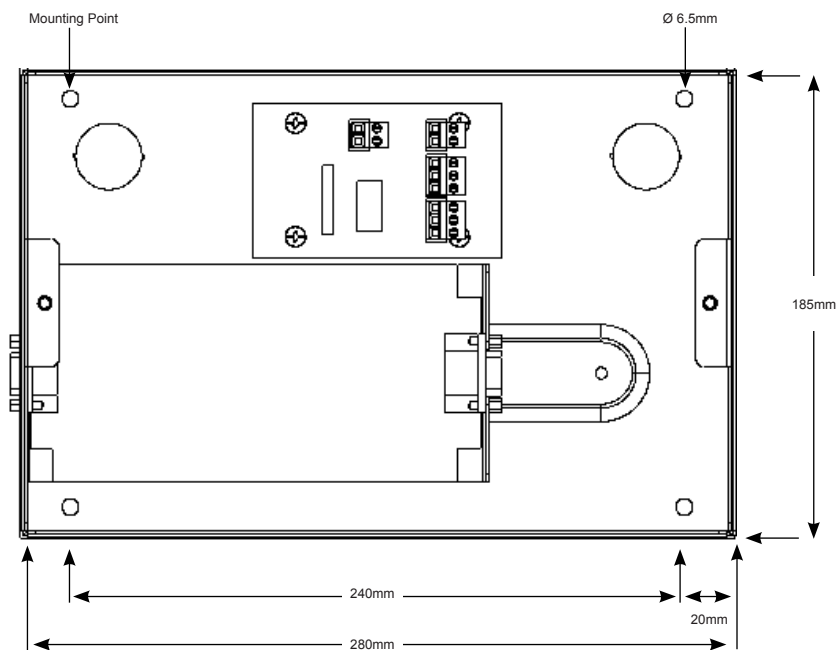
- Detector Type (VLC, VLS, VLP, VLF).
- Alarm status (Alert, Action, Fire1 & Fire2).
- Fault Status (System, Zone, Urgent, Power, Network, Flow, Filter).
- Status (Isolated, Normalizing, AutoLearn, Scanning).
- Display info (Alarm thresholds, Location name).
- Display update (Smoke level, Alarm & Fault status).
- Fault details (list of active fault codes).
- Fault strings (ASCII strings to describe each fault code).
- Detector controls (Reset, Isolate, Silence, Test, Scan or Normalize<sup>2</sup>).
- Configuration of Day / Night alarm thresholds<sup>2</sup>

<sup>2</sup>Master - Slave only

# VESDA Open Protocol HLI™

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## Dimensions



## Specifications

**Power Consumption:**  
1.68 W (Quiescent)

**Supply Voltage:**  
24 VDC

**Current Consumption:**  
70 mA (Quiescent)

**Dimensions:**  
280 mm x 185 mm x 55 mm  
(11 in. x 7.3 in. x 2.2 in. approx.)

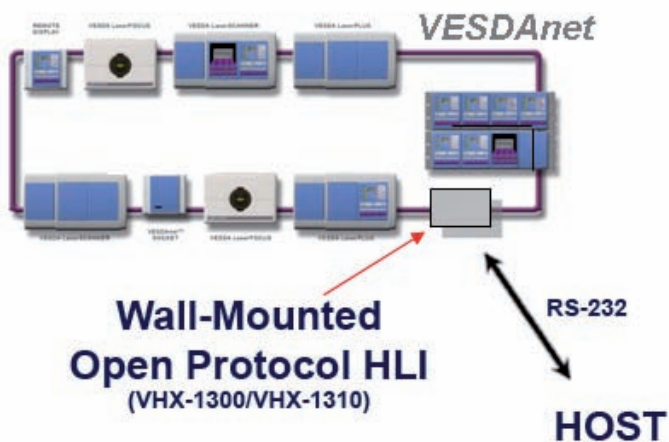
**Weight:**  
2 kg (4.4 lbs)

**Supplied With:**  
VESDAlink RS-232 9-way serial cable  
(male–female) (identical to VSP-509).

**Number of Detectors Supported:**  
Up to 40 detectors\*  
\*If your network has more than 40 detectors, please contact your Xtralis representative.

**Modem Support:**  
Modem support is not available

## Example VESDAnet system with Wall-Mounted Open Protocol HLI



## Product Warranty

2 years

## Ordering Information

Product	Part number
Open Protocol HLI (Peer-to-Peer)	VHX-1300
Open Protocol HLI (Master-Slave)	VHX-1310
VESDAlink RS-232 9-way serial cable (Spare part)	VSP-509

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