



Wall-Mounted Open Protocol High Level Interface

The Xtralis VESDA Wall-Mounted Open Protocol High Level Interface (HLI) links your VESDA^{net} with PC software monitoring tools, Building Management Systems (BMSs) and Fire Alarm Control Panels (FACPs), otherwise known as 'host'.

With a built-in VESDA^{net} interface you don't need a remote VESDA^{net} 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 VESDA^{net} 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 VESDA^{net}. 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 VESDA^{net}, 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.

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

Features

- Direct access and monitoring of your entire VESDA^{net} 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

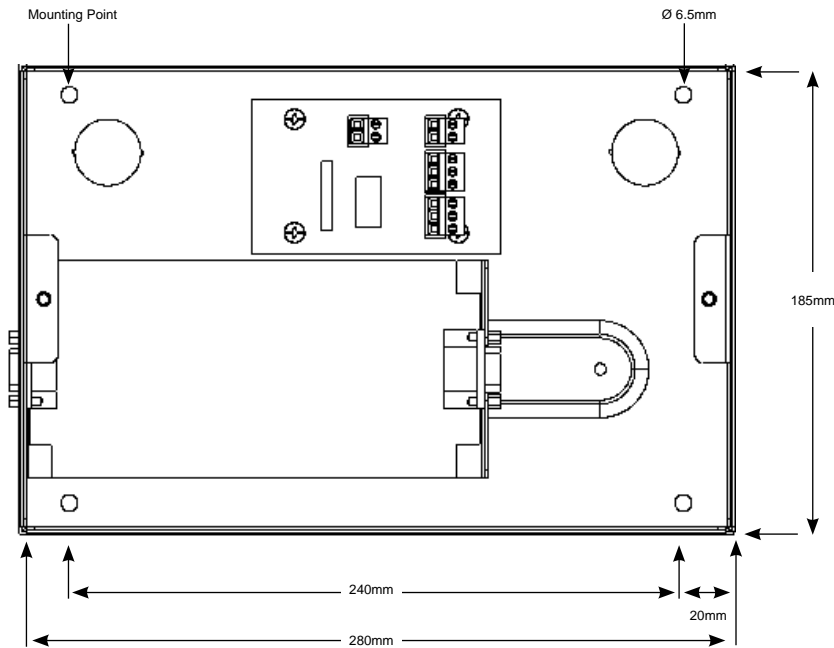
- Detector Type (VLC, VLS, VLP, VLF).
- Alarm status (Alert, Action, Fire1 & Fire2).
- Fault Status (System, Zone, Urgent, Power, Network, Flow, Filter).
- Status (Isolated, Normalizing, AutoLearn, Scanning).
- Display info (Alarm thresholds, Location name).
- Display update (Smoke level, Alarm & Fault 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 Normalize²).
- Configuration of Day / Night alarm thresholds²

²Master - Slave only

Xtralis® VESDA® Open Protocol HLI™

Wall-Mounted
VHX-1300 or VHX-1310

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.)

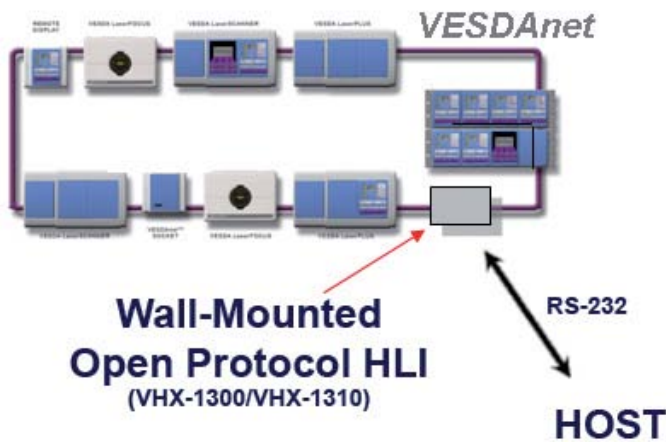
Weight:
2 kg (4.4 lbs)

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

www.xtralis.com

The Americas +1 781 740 2223 Asia +852 2297 2438 Australia and New Zealand +61 3 9936 7000
Continental Europe +41 55 285 99 99 UK and the Middle East +44 1442 242 330

The contents of this document are provided on an "as is" basis. No representation or warranty (either express or implied) is made as to the completeness, accuracy or reliability of the contents of this document. The manufacturer reserves the right to change designs or specifications without obligation and without further notice. Except as otherwise provided, all warranties, express or implied, including without limitation any implied warranties of merchantability and fitness for a particular purpose are expressly excluded.

This document includes registered and unregistered trademarks. All trademarks displayed are the trademarks of their respective owners. Your use of this document does not constitute or create a licence or any other right to use the name and/or trademark and/or label.

This document is subject to copyright owned by Xtralis AG ("Xtralis"). You agree not to copy, communicate to the public, adapt, distribute, transfer, sell, modify or publish any contents of this document without the express prior written consent of Xtralis.



VESDA®