

FEATURES

- ✓ Direct access and monitoring of your entire VESDAnet System
- ✓ Seamless data transfer
- ✓ Easily configured using Xtralis configuring and monitoring software packages
- ✓ Suits VESDA HLI Gateway



PRODUCT DESCRIPTION

The VESDA Modbus High Level Interface (HLI) integrates VESDAnet network with host monitoring platforms such as Building Management Systems (BMSs) and Fire Alarm Control Panels (FACPs).

The Modbus HLI acts as a proxy for all VESDA devices on the VESDAnet network, providing access to the rich status information that is available from VESDA detectors as well as the ability to control and configure these devices. Alarms are reported to the host within a few seconds of a detector reaching an alarm condition. Exact performance is dependent on the polling strategy and size of the monitored network. The Modbus HLI is able to support up to 100 VESDA detectors on a single VESDAnet network.

The VESDA zone equates to the Modbus address field and allows the host to retrieve the overall status of the VESDAnet network as well as performing certain VESDA device configuration updates. The host is able to monitor and control VESDA devices on the VESDAnet network by reading and writing into registers in the Modbus map.

VHX-1420 Wall Mounted Modbus HLI

The wall mounted version is housed in a metal enclosure allowing for permanent mounting on a flat surface. With a built-in VESDAnet interface you don't need a remote VESDAnet socket module, making the wall mounted HLI a cost effective solution to your interface requirements.

TECHNICAL SPECIFICATIONS

Power Consumption	18 to 30Vdc
Supply Voltage	10W quiescent, 10.5W with alarm (max)
Current Consumption	415mA quiescent, 440mA with alarm (max)
No. of Detectors Supported	1.6A

Standard:

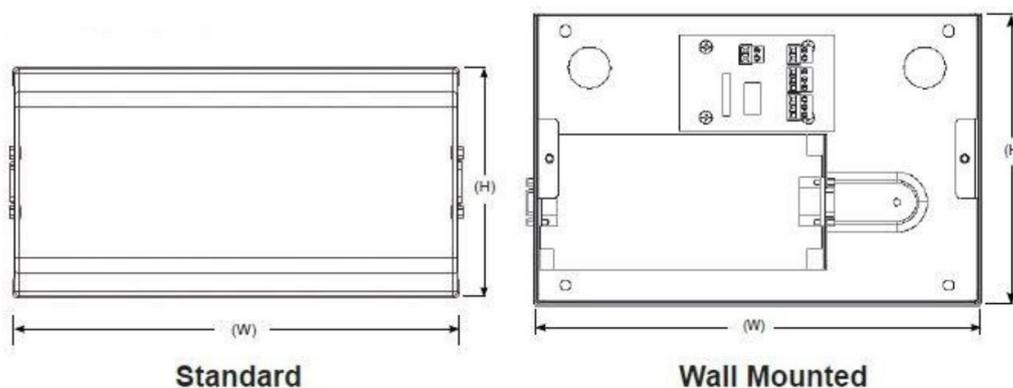
Dimensions	188mm x 98mm x 40mm
Weight	0.4kgs
Supplied With	VESDALink RS-232 9-way serial cable (male-female) VESDALink RS-485 15-way cable (male-female)

TECHNICAL SPECIFICATIONS

Wall Mounted:

Dimensions	280mm x 185mm x 55mm
Weight	2kgs
Supplied With	VESDAlink RS-232 9-way serial cable (male-female)

DIMENSIONS



LISTING & APPROVALS

VESDA HLIs are recommended for secondary monitoring of fire alarms and other notifications from a VESDAnet network. When used for primary reporting, the VESDA HLI must be listed as part of an approved fire system which is compliant to local codes and standards.

Protocol Supports:

- ✓ VESDA VLP, VLS, VLC, VLF, VLI and VFT-15 detectors.
- ✓ VESDA-E VEP, VEU and VEA detectors.
- ✓ Alarm Status
- ✓ Fault Status
- ✓ Smoke Level
- ✓ Detailed Fault Information
- ✓ Alarm Thresholds
- ✓ Detector Control including Reset, Disable, Silence, Alarm Test and Normalise.
- ✓ Operational Status for processes such as Normalisation and AutoLearn.

ORDERING INFORMATION

VHX-1420-HFS	VESDA Modbus HLI Metal Box Wall Mounted
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EXAMPLE VESDANET SYSTEM WITH MODBUS TYPE 3 HLI

