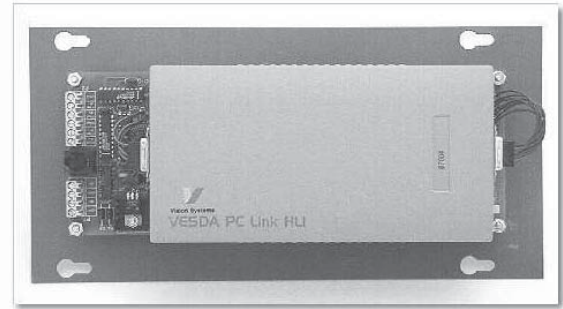


## HIGH LEVEL INTERFACE (HLI)

### DESCRIPTION

The High Level Interface (HLI), p/n 68-023, provides an integrated interface between Fike's intelligent control panels (Cheetah, Cheetah Xi, and CyberCat) and any detectors that are on the Vesdanet network. Utilizing the HLI, one of Fike's intelligent panels can communicate with and control up to 40 air sampling units as an ancillary or primary detection device within UL 10 second response requirement.

The HLI comes pre-mounted in a grey metal enclosure with cover. The cover is removable via four screws to allow access to the HLI circuit board during installation and troubleshooting. The enclosure is designed for surface mounting only.



### OPERATION

The HLI allows each Vesda detector to report as a virtual address on the control panel addressable communication loop. This in turn allows each Vesda detector to be independently programmed to the panel's "alarm only" zone, "suppression zone," or multiple zones of operation. The panel also allows each detector to take part in functions such as cross-zone, counting-zone, single detector release in a suppression zone, or act as early warning in an alarm only zone.

The HLI supports bi-directional communication to each Vesda detector. Each Vesda detector is supervised and any fault, trouble, pre-alarm or alarm condition occurring at a Vesda detector is reported and displayed on the panel. Operator functions such as reset and acknowledge initiated on the panel are performed at each Vesda detector as well.

### TECHNICAL

Power requirements:	220 mA @ 24 VDC (normal Standby and Alarm) Must be powered from auxiliary output circuit from host control panel.
Temperature:	32°F - 120°F (0°C - 49°C)
Humidity:	93% relative
Electrical Connections:	Panel to HLI: RS232 serial communication cable 14 ft. (4.26 m) cable, p/n 02-3053 provided with HLI. HLI to VESDAnet: RS485 serial communication cable Belden 9841 or 9842 wire or equal, recommended Maximum 4,265 ft. (1,300 m) between two VESDAnet devices Can be configured NFPA Style 4 or Style 6.
HLI Enclosure:	Enclosure Dimensions (HxWxD): 6" (15.25 cm) x 12" (30.5 cm) x 4" (10 cm) Cover Dimensions (HxWxD): 7" (17.8 cm) x 13" (33 cm) x 1/8" (0.32 cm)

The HLI contains no user functions, display or serviceable parts.

### APPROVALS

- UL - S3217
- FM - 3020297

Form No. A.1.06.01-4

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