VESDA-E REMOTE ACCESSORIES

DISPLAY, RELAY AND 19" SUBRACK

The VESDA-E Remote Accessories are the next generation of ancillary devices designed to complement VESDA-E aspirating smoke detectors and provide primary reporting and remote monitoring of new and existing VESDA systems over VESDAnet. These remote modules are commonly used in large and restricted access areas to allow remote monitoring with added convenience and ease.

Remote Modules

The remote modules consist of the following configurations:

- 3.5" Display with or without relays
- 7 or 12 Relays without Display
- VESDAnet, Ethernet and USB Connection



Figure 1: VE Remote Box (VER Models)

Whilst maintaining a 7 or 12 relays option, a similar 3.5" display screen to that used on VESDA-E detector is used on the remote display module. This provides access to rich information as the user navigates through a common user interface at their fingertips.

A key feature of the remote display module is the intelligent self-morphing capability that enables it to automatically emulate the displayed information of the connected VESDA detector hence eliminating the need to have different display modules for different detectors. This greatly reduces the complexity of the ordering process and allows added flexibility in installation and commissioning.

Connectivity has also been enhanced with the introduction of Ethernet and USB interfaces. A direct temporary connection to a PC is possible via the USB interface whilst Ethernet allows for permanent monitoring.

19" Subrack

The remote modules are designed to be assembled, on site, onto a 19" subrack which accommodates up to 4 remote modules.

The highly flexible subrack configuration is enabled by a modular ordering system for expedient out-of-box installation in the field.

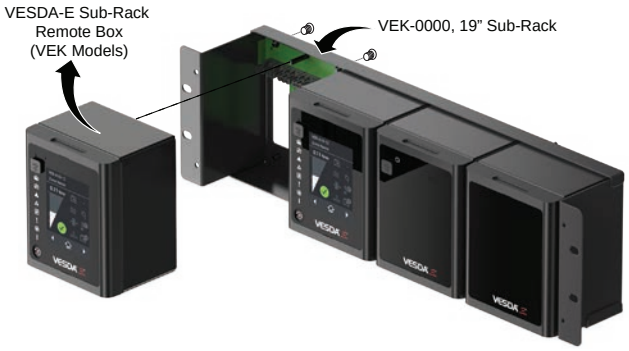


Figure 2: VESDA-E Sub-Rack Remote Box StaX along with VEK-0000, 19" Sub-Rack

Features

- Elevates the accessories look and feel to that of VESDA-E detectors, thus completing the VESDA-E range
- Improves the User Experience enabled by a 3.5" touch screen display presenting rich status information and control options at the users' fingertips
- Simplifies the Ordering Process enabled by intelligent self-morphing capability, which is compatible with legacy and new systems, hence eliminating unnecessary module prefiltration
- Enhances Connectivity enabled by a wide range of connectivity options including VESDAnet, relays, Ethernet and USB

Listings / Approvals

- UL/ ULC

VESDA-E REMOTE ACCESSORIES
TECHNICAL SPECIFICATIONS

Specifications

Specification	Value					
Supply Voltage	18 to 30 VDC (24 VDC Nominal)					
Power Consumption	**VER-A10-0 and VEK-A10-0**	**VER-A10-7 and VEK-A10-7**	**VER-A10-12 and VEK-A10-12**	**VER-A30 and VEK-A30**	**VER-A40-7 and VEK-A40-7**	**VER-A40-12 and VEK-A40-12**
Max Power (with Alarm)	2.112 W	3.35 W	4.14 W	1.159 W	2.593 W	2.77 W
Peak Current (with Alarm)	0.09 A	0.14 A	0.17 A	0.0483 A	0.106 A	0.12 A
Operating Conditions	**Temperature:** • Ambient: 0°C to 39°C (32°F to 102°F) • Tested to: -10°C to 55°C (14°F to 131°F)* **Humidity:** • 5-95% RH, non-condensing Relative Humidity: - LT: - >95% RH, HT: - 93±3 %					
Storage Conditions (Non-operational)	• Humidity: Dry (<95%) • Temperature: 0° to 85°C • Must not be exposed to sunlight or other radiation sources					
Relays	• Contacts rated 2A @30 VDC (Resistive) • Programmable to latch or not latch alarm or fault states					
Model	VESDA-E Remote Box		VESDA-E Sub-Rack Remote Box		VESDA-E 19" Sub-Rack Remote Box	
Dimensions (WHD)	111 mm x 131 mm x 105 mm (4.3" x 5.1" x 4.1")		105 mm x 128 mm x 109.6 mm (4.1" x 5.0" x 4.3")		482 mm x 132.5 mm x 121 mm (18.9.1" x 5.2" x 4.7")	
Weight	1.2 kgs		0.76 kgs		1.0 kgs	
IP Rating	IP40		IP40		N/A	
Mounting	Flat surface/ Wall Mount		19" Sub-Rack		Standard 19" Server rack/Din Rail/ 19" Enclosure	
Cable Access	4 Nos, Cable Entry Port Caps for IP rating recommended cable glands		Plug-n-Play mounted on a 19" Sub-Rack		Rear cables plugs-in	
Cable Termination	Screw terminal blocks (0.2-1.5 sq mm, 24-16 AWG)					
Interfaces	USB -B (Type 2) Ethernet (RJ45)					

* UL: -20°C to 50°C (-4°F to 122°F).

Ordering Information

Ordering Code	Description
Remote Module	
VER-A10-0	Remote Module Display No Relays
VER-A10-7	Remote Module Display (7 Relays)
VER-A10-12	Remote Module Display (12 Relays)
VER-A30	Remote Module VESDAnet/Ethernet/USB
VER-A40-7	Remote Module (7 Relays) only
VER-A40-12	Remote Module (12 Relays) only
Subrack Module	
VEK-A10-0	Subrack Kit Display No Relays
VEK-A10-7	Subrack Kit Display (7 Relays)
VEK-A10-12	Subrack Kit Display (12 Relays)
VEK-A30	Subrack Kit VESDAnet/Ethernet/USB
VEK-A40-7	Subrack Kit (7 Relays)
VEK-A40-12	Subrack Kit (12 Relays)
VEK-0	Subrack Kit Blank Plate
VEK-0000	Subrack 19"





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