

# VESDA LCD Programmer



## Description

The Programmer Module allows direct access to all VESDAnet devices on an VESDA smoke detection system. It allows configuration and status reporting of detectors, displays and interfaces and is required when installing, commissioning and maintaining a VESDA network. By incorporating a user friendly menu, navigation through the comprehensive features of VESDAnet is convenient and simple.

The programmer module is available as a hand-held device (with included DB15 serial cable) or can be mounted into a VESDA VLP or VESDA VLS detector, a remote mounting box or a 19 inch sub rack.

The two rows of large push buttons enable the user to log ON and navigate through the menu trees to the various command and parameter setting functions. The top row of keys are called "Soft Keys" and are assigned programming options appropriate to the screen being viewed.

Some of the parameters that can be accessed via the programmer include device status reporting, zone number and name allocation, flow normalisation, alarm threshold setting (day, night, weekend), initiation of AutoLearn, wiring order, relay testing and event log review.

Up to 14 assigned Users or Administrators with an individual 4 digit Personal Identification Number (PIN), and one Distributor, can log onto a VESDAnet system under one of three levels of access which are password protected:

- User (USR) is only able to view parameters, check status, alarms and reset the system.
- Administrator (ADM) has access to most commands and programming parameters.
- Distributor (DST) is the topmost level and has unlimited access to all commands and parameters in the system.
- Lost PIN numbers can be overcome by obtaining a once only pass number from your Xtralis VESDA dealer.

The programmer automatically logs OFF when not in use for more than 10 minutes. The user is prompted with a beeping sound at 1 minute and at 15 seconds before log OFF. Any key may be pressed to cancel the automatic log OFF process.

## Programming Functions

- System configuration
- Detector zone configuration and set up
- Detector zone control
- System status
- Smoke Threshold and Detector Sensitivity settings
- Event Log interrogation
- Commissioning and testing
- Set date and time
- Referencing
- AutoLearn™
- Passwords and user Configuration
- System fault diagnostic

## Features

- User friendly menu system
- Supports multiple languages
- Single point access to entire VESDAnet system
- Alarm and fault simulation
- Shows wiring order
- Locates communications failures
- Password security
- Hand held or remote mounting
- Automatic Logoff when inactive
- Backlit LCD screen

## Listings/Approvals

- UL
- ULC
- FM
- LPCB
- VdS
- CFE
- ActivFire
- AFNOR

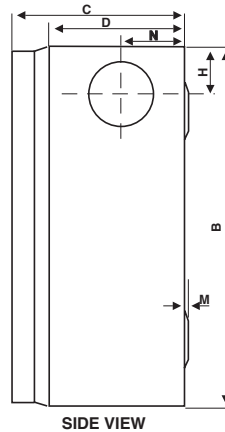
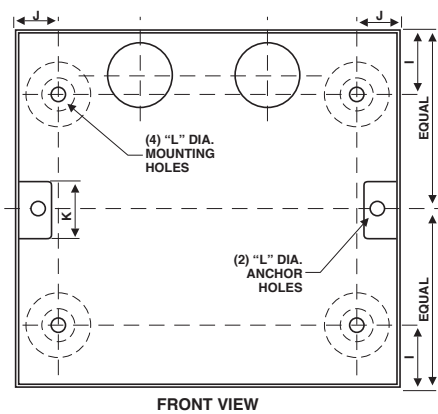
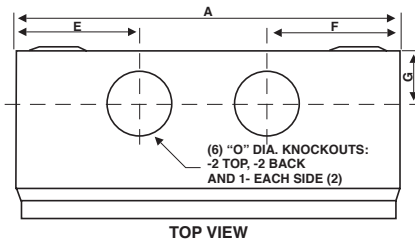
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## Specifications

**Supply Voltage:** 18 to 30 VDC

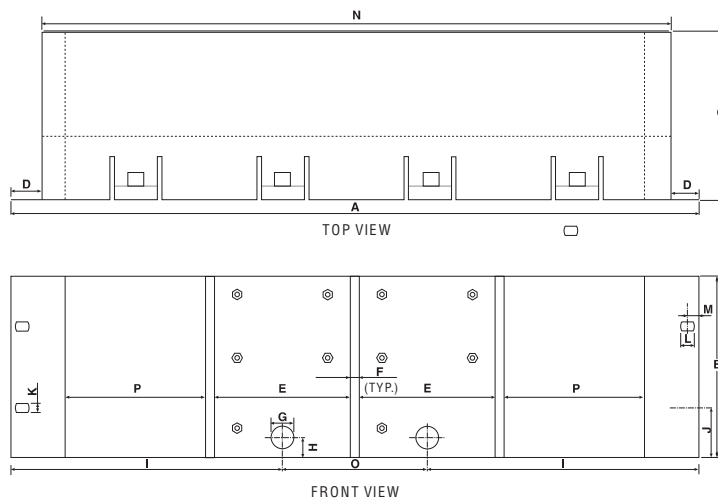
		Module	Hand Held	Remote
Power (W) @ 24 VDC	Min	1.08 W	1.68	1.2
	Max	1.44 W		
Current (mA) @ 24 VDC	Min	45 mA	70 mA	50 mA
	Max	60 mA		
Dimensions (WHD)	mm	98 x 130 x 30	105 x 135 x 60	140 x 150 x 90
	in	3.9 x 5.1 x 1.21	4.1 x 5.3 x 2.4	5.5 x 5.9 x 3.5
Connections		Terminal connector to Head Processor Card or to expansion connector on another Xtralis VESDA device	15 pin D-type connector. VESDAnet cable required to connect to detector or remote VESDAnet socket	RS485 VESDAnet field wiring to Screw terminal blocks (0.2–2.5 mm <sup>2</sup> , 30–12 AWG)

## Remote Mounting Box



Dimensions	
	mm in
A	140 5.5
B	150 5.9
C	70 2.75
D	60 2.36
E	44.5 1.75
F	48 1.9
G	23 0.9
H	25 0.98
I	27.5 1.1
J	16.5 0.65
K	25 0.98
L	6.4 0.25
M	1.6 0.06
N	23 0.91
O	26 1.0

## 19" Sub Rack



Dimensions	
	mm in
A	482 19
B	128 5
C	120 4.75
D	21 0.82
E	97.2 3.82
F	6.4 0.25
G	16 0.62
H	14 0.56
I	190 7.50
J	36 1.4
K	7 0.28
L	10 0.39
M	8 0.31
N	440 17.37
O	102 4
P	98.5 4

## Screen Display Size:

70 mm x 37 mm (2.75 in x 1.45 in)  
Full Graphic display  
Large characters  
8 lines, 21 characters per line  
Adjustable backlit screen with contrast control

## Inactivity Time Out:

10 minutes (Defaults to log on screen)  
Beeps at 1 minute and then 15 seconds before Logoff

## Push Button Keys:

2 Rows x 4 keys, each 19 mm x 12 mm (0.75 in x 0.50 in)

## Security Access:

3 characters User ID  
4 digit Personal Identification Number (PIN) per User

## Number of User Levels:

10 USR  
3 ADM  
1 DST

## Default ID:

USR = User (Operator level)  
ADM = Administrator (Access most functions)  
DST = VESDA Distributor (Access all functions)

## Operating Conditions:

Tested to: -10°C–55°C (14°F–131°F)  
Recommended Detector Ambient: 0°C–39°C (32°–103°F)  
Humidity: 10%–95% RH, non-condensing

## System Functions Accessed:

Status of software version  
Descriptive Alarms & Faults  
Smoke & Flow readings  
Push-Button lockout  
Display name (21 chars)  
Alarm Thresholds (Alert, Action, Fire 1 & Fire 2)  
Alarms delays (0–60 seconds)  
Day/Night/Weekend/Holiday Options  
Event Log (up to 18,000 events)  
Zone number and name (21 chars)  
Pipes in use (pipe 1 to 4)  
Aspirator Speed & Flow control  
Confirmation of filter change  
Relay configuration  
Referencing  
Auto Learn™

## Addressed Devices:

250 VESDA devices maximum

## VESDA addressed Devices:

VESDA VLP Detectors & Displays  
VESDA VLS Detectors & Displays  
VESDA VLC Detectors & Displays  
VESDA VLF  
with Vnet card Detectors & Displays  
HLI (High Level Interface)  
Relay modules Remote Relays

## Ordering Information:

Remote Programmer VRT-100  
Recessed Mounting  
Kit (Optional) VSP-012  
Hand-Held Programmer VHH-100  
19 inch Sub Rack  
Configuration contact Xtralis

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