Xtralis VESDA LCD Programmer

Description

The Programmer Module allows direct access to all VESDAnet devices on an Xtralis 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 Xtralis VESDA VLP or Xtralis 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
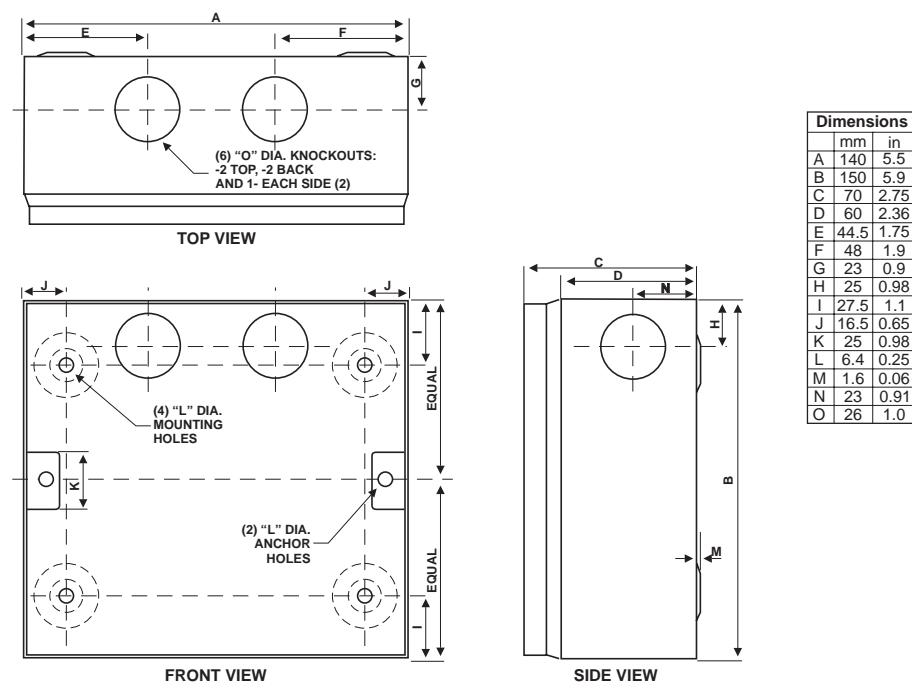- FM
- LPCB
- VdS
- CFE
- ActivFire
- AFNOR

Specifications

Supply Voltage: 18 to 30 VDC
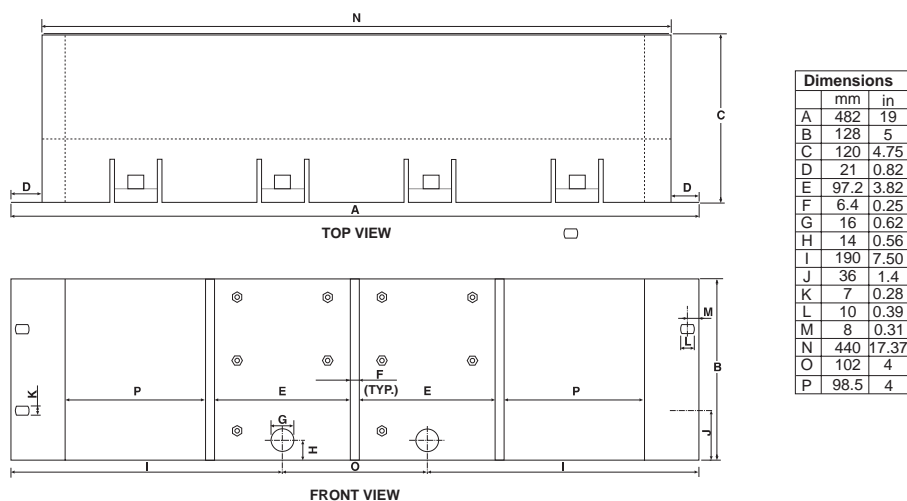
		Module	Hand Held	Remote
Power (W) @ 24 VDC	Min	1.08 W	1.68	1.2
	Max	1.44 W		
Current (mA) @ 24 VDC	Min	45 mA	70 mA	50 mA
	Max	60 mA		
Dimensions (WHD)	mm	98 x 130 x 30	105 x 135 x 60	140 x 150 x 90
	in	3.9 x 5.1 x 1.21	4.1 x 5.3 x 2.4	5.5 x 5.9 x3.5
Connections		Terminal connector to Head Processor Card 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 mm², 30–12 AWG)

Remote Mounting Box

TOP VIEW

FRONT VIEW

SIDE VIEW

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

(6) "O" DIA. KNOCKOUTS: -2 TOP, -2 BACK AND 1- EACH SIDE (2)

(4) "L" DIA. MOUNTING HOLES

(2) "L" DIA. ANCHOR HOLES

19" Sub Rack

TOP VIEW

FRONT VIEW

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 Xtralis VESDA devices maximum

Xtralis VESDA addressed Devices:
Xtralis VESDA VLP   Detectors & Displays
Xtralis VESDA VLS   Detectors & Displays
Xtralis VESDA VLC   Detectors & Displays
Xtralis 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