

# VRT-100

## AIR SAMPLING REMOTE PROGRAMMER



CFE LPCB VdS  
AFNOR ActivFire

P/N: See Chart

### Standard Features

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

### Overview

The VRT-100 Remote Programmer allows remote access to the VLS LaserSCANNER and VLP LaserPLUS Air Sampling devices. 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 the air sampling system is convenient and simple.

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 normalization, alarm threshold setting (day, night, week-end), initiation of AutoLearn, wiring order, relay testing and event log review.

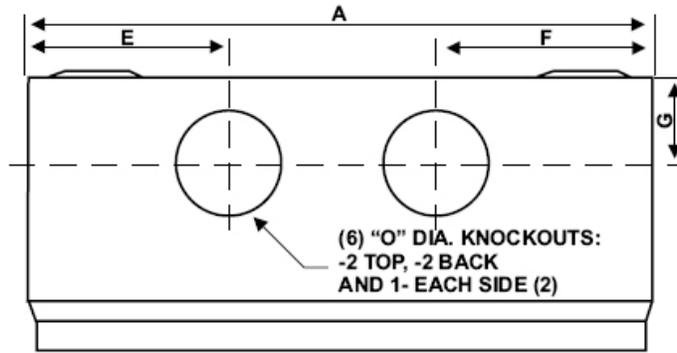
Up to 14 assigned Users or Administrators with an individual 4 digit Personal Identification Number (PIN), and one Distributor, can log onto the programming system under one of three levels of access which are password protected:

- 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 Janus Fire Systems.

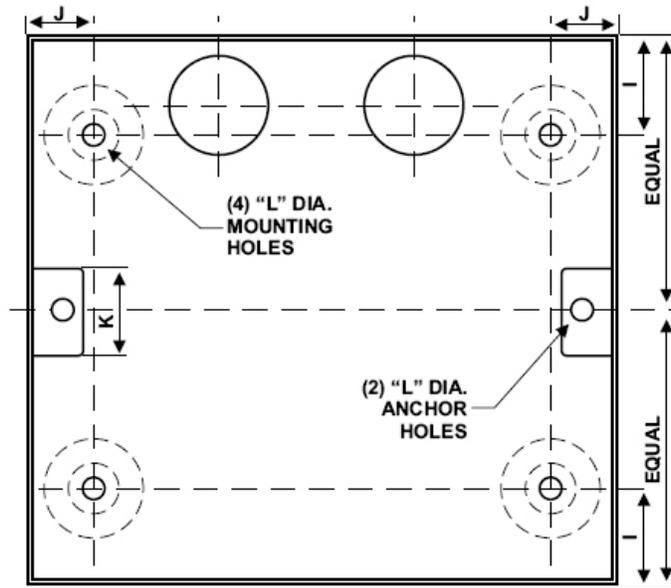
The programmer automatically logs OFF when not in use for more than 10 minutes. The user is prompted with a beeping sound at 1 minute and at 15 seconds before log OFF. Any key may be pressed to cancel the automatic log OFF process.



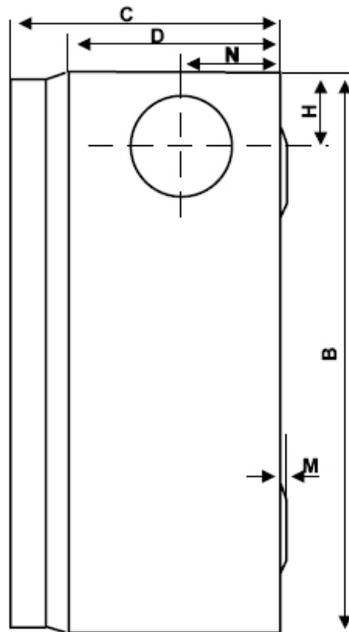
## Remote Mounting Box



TOP VIEW



FRONT VIEW



SIDE VIEW

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



## Specifications

Supply Voltage:	18 to 30 VDC
Power (W) @ 24 VDC:	1.2
Current (mA) @ 24 VDC:	50 mA
Dimension (WHD):	5.5 in x 5.9 in x 3.5 in (140 mm x 150 mm x 90 mm)
Connections:	RS485 VESDAnet field wiring to Screw terminal blocks (0.2-2.5 mm <sup>2</sup> , 30-12 AWG)
Screen Display Size:	2.75 in x 1.45 in (70 mm x 37 mm) 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 0.75 in x 0.50 in (19 mm x 12 mm)
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 = Distributor (Access all functions)
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™
Operating Conditions:	Tested to: 14°F–131°F (-10°C–55°C) Recommended Detector Ambient: 32°–103°F (0°C–39°C) Humidity: 10%–95% RH, non-condensing
Addressed Devices:	250 VESDA devices maximum



## Ordering Information

Model	P/N	Description	Ship Wt. lb (kg)
VRT-100	19074	Remote Programmer	1.0 (0.5)
VSP-012	19092	Recessed Mounting Kit	0.5 (0.2)

*Note: Approvals/Listings maintained by and manufactured by Xtralis AG.*

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



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