



VCP100

ANALOGUE RESETTABLE CALL POINT



GENERAL DESCRIPTION

This product is a resettable fire emergency call point, compatible with the analogue-addressable Vega communication protocol.

This device gives the user, during its activation, the feel of breaking glass, nevertheless it maintains its integrity; after its activation, the operating element can be simply restored with its supplied reset key.

An indicator drops into view at the top of the device's front window after it has been pressed and activated; after the emergency has been handled, the device is simply restored with its reset key and is ready for re-use straight away.

SHORT CIRCUIT ISOLATOR

All standard Vega series devices are provided with short-circuit monitoring isolators on the intelligent loop's line and can be activated by the control panel.

LED INDICATOR

This device is provided with a bicolour red / green LED (picture 12) meant to provide optical indication of the status of the device; this indicator is controlled by the control panel.

INSTALLATION

The analogue call point must be used in combination with compatible control panels employing the Vega communication protocol for monitoring and control.

The location of call points should follow recognised national or international application codes of practice.

Connections to the terminals are polarity sensitive: check them by referring to the wiring instructions contained in this manual.

TECHNICAL SPECIFICATIONS **

Power supply voltage range *	from 18 Vdc to 40 Vdc
Average current consumption	70 uA
Operating temperature range	from -20 °C to +65 °C
Humidity (no condensation)	95% RH
Dimensions (w/o back box)	87 x 87 x 23 mm
Maximum wire gauge	2.5 mm ²

*Product operates down to 15 V, but without LED indication.

**Check latest version of document TDS-VCPXX for further data, obtainable from your supplier.

CAUTION

Disconnect loop's power before installing the devices.



CAUTION

Electrostatic Sensitive Device.

Observe precautions when handling and making connections.

ADDRESSING

The analogue call point can be addressed using a special hand-held programming unit or it can be auto-addressed by the control panel after it has been installed (the implementation of the auto-addressing feature depends on the control panel's manufacturer). Addresses may be selected from a range from 1 to 240, although, of course, each device on the analogue loop must have a unique address.

In order to address manually the analogue call point, connect it to the programming unit using the proper cable (refer to the programming unit's instruction manual).

INSTALLING THE DEVICE'S WALL SUPPORT

For specific information regarding detector and device's spacing, placement and special applications refer to your specific national standards.

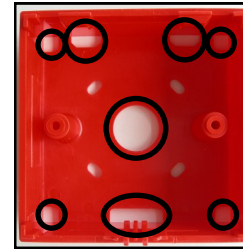
In order to perform the installation, the front device must be securely installed on the wall. Two types of installations can be implemented: surface mounting and flush mounting.

Surface mounting: in this case the supplied back box is used to fix the call point device to the wall.

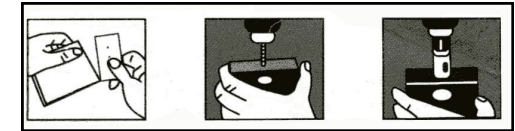
Flush mounting: in this case a standard installing box is embedded into the wall: the supplied installing frame must be fixed to it.

1. Select the position of the analogue call point before installing and fixing it. **Remember that this device is for indoor use only.**
2. For surface mounting, feed the loop's wires into the back box's openings (picture 1) giving them a sufficient length; alternatively, 20 mm entry holes can be easily drilled on the sides of the back box by using the template provided on the top of the packaging box (picture 2).

For flush mounting, feed the loop's wires into the embedded standard installing box's openings giving them a sufficient length.



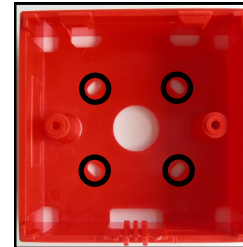
Picture 1 - wiring openings on the back box - surface mounting



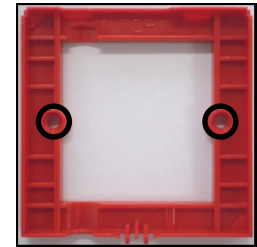
Picture 2 - using the provided drilling template - surface mounting

3. For surface mounting, install and fix to the wall the device's back box with the provided screws (picture 3).

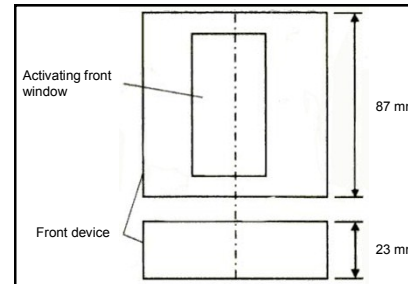
For flush mounting, fix to the wall-embedded standard installing box the supplied frame with the provided screws (picture 4).



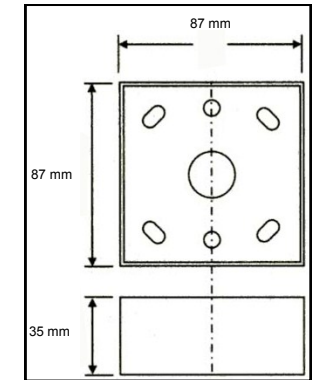
Picture 3 - locations for screw insertion on the back box - surface mounting



Picture 4 - locations for screw insertion on the installing frame - flush mounting



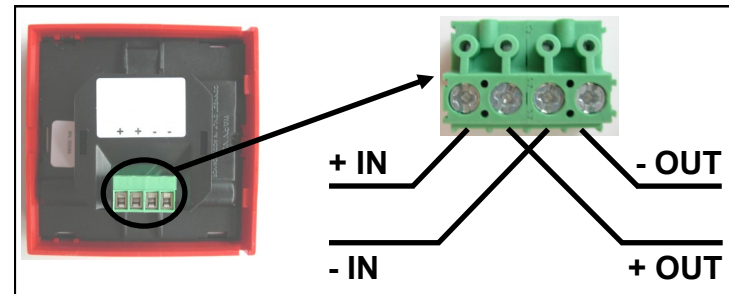
Picture 5 - front device's dimensions



Picture 6 - supplied back box's dimensions

WIRING THE ANALOGUE CALL POINT

The analogue call point, as any other analogue device, must be connected to the analogue loop. Refer to picture 7 for wiring indications to the device's terminal blocks.



Picture 7 - front device's wiring to the loop

INSTALLING AND UNINSTALLING THE FRONT DEVICE

In order to complete the installation, the front device must be securely installed on the wall-fixed back box or frame. In order to perform such task operate as illustrated in picture 8 for surface mounting or picture 9 for flush mounting.

To remove the front device from the supplied back box or frame use the two pins on the back of the reset key, insert them in the two holes under the analogue call point, then push up until the front element is locked off (picture 10).



Picture 8 - installing the front device on the back box - surface mounting



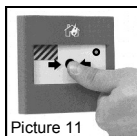
Picture 9 - installing the front device on the installing frame - flush mounting



Picture 10 - removing the front device from the back box - surface mounting, but the same principle applies to flush mounting

ACTIVATION

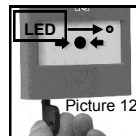
The analogue call point is activated by pressing the transparent window on the front of the device as shown in picture 11.



Picture 11

HOW TO RESET

The analogue call point, after use, can be re-armed using the provided key; insert the key into the hole under the device and rotate counter clockwise as shown in picture 12.



Picture 12

TESTING

In order to test the functionality of the installed analogue call point, the following test must be performed: activate an alarm condition by pressing the call point's front face window (see the ACTIVATION paragraph): a rectangular visual indicator will drop into view on its upper left corner, an activation message will be sent to the control panel and the LED, piloted by the control panel, will soon indicate such condition.

After each test the device must be reset (see the HOW TO RESET paragraph), so as the control panel.

All devices must be tested after installation and, successively, on a periodic basis.

WARNINGS AND LIMITATIONS


Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that these devices are only used with compatible control panels. Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation.

Smoke sensors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Sensors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions. Refer to and follow national codes of practice and other internationally recognized fire engineering standards. Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

WARRANTY

All devices are supplied with the benefit of a limited 3 year warranty relating to faulty materials or manufacturing defects, effective from the production date indicated on each product. This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified.

Full details on our warranty and product's returns policy can be obtained upon request.

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EN 54-11:2001+A1:2005 EN 54-17:2005 VCP100 For use in compatible fire detection and alarm system Type A