

DISCOVERY[®] PROGRAMMER

A NEW IDEA IN HIGH-TECH FIRE DETECTION

Discovery[®] fire detectors from Apollo have established themselves as the analogue addressable range of choice for sophisticated installations. Many control panel manufacturers have developed or are in the process of developing control panels that utilise all the features of Discovery, as described in Engineering Product Guide PP2052.

For systems houses that want to access the features of Discovery, but do not yet have a control panel, a programmer has been developed and is now available from Apollo.

The Programmer makes it possible to program Discovery fire detectors individually before fitting them to a system, so that they can be powered and controlled by an XP95 control panel. Although certain functions, such as mode-switching, are only available if Discovery detectors are controlled by a dedicated Discovery control panel, individual detectors can be plugged into the programmer to access a number of Discovery Read and Write features.

With the Discovery Programmer you will be able to

- look up the date of manufacture
- check the state of the user bytes
- check the drift compensation value
- display the operating mode (sensitivity level)
- change the operating mode
- select/de-select LED flash mode



Part no 53832-030

FUNCTION

The Discovery Programmer is a portable device used to program a Discovery detector to be connected to a loop of analogue addressable detectors controlled by an XP95 panel.

The Discovery Programmer has a detector mounting base permanently fitted to its upper surface. It accepts both XP95 and Discovery detectors and is able to distinguish automatically between both types.

The programmer also recognises XP95 and Discovery manual call points as well as the Discovery CO detector. An adaptor, part no. 53832-031, is required for testing these. It is supplied as a standard part of the Discovery Programmer.



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USE OF THE ADAPTOR

The adaptor should be fitted onto the mounting base on the Discovery programmer in order to test call points and CO detectors. Call points should be connected to the spare terminals L1 and L2 on the adaptor. The CO detector should be plugged onto the adaptor.

READ FEATURES

When a Discovery or XP95 detector is fitted to the programmer it is awoken from sleep mode. The detector is powered up and interrogated. The LCD then shows the detector range, type, AV Mode and LED status.

With a Discovery detector fitted it is possible, by means of a menu and two buttons on the programmer membrane, to display the month of manufacture, the approvals body for which the detector has been calibrated, the drift flag, drift compensation and the status of the user bytes. With either Discovery or XP95 detectors fitted the analogue value is displayed in real time.

WRITE FEATURES

With Discovery detectors fitted the buttons can be used to select the operating mode, the flashing feature on the LED or the rapid drift compensation facility. To enter a selection, both buttons are pressed simultaneously. The programmer beeps twice to acknowledge operation of the buttons.

ELECTRICAL POWER

Power for the Discovery programmer is provided by a permanently-fitted NiMH re-chargeable battery. A power pack is supplied with the programmer. When the battery is low the programmer gives an audible and visual warning .

PROGRAMMER UPGRADE

The micro-processor in the programmer is upgradeable. When later software versions are released, the programmer can be easily upgraded by our Service Department.

Note: this PIN sheet should be read in conjunction with the Discovery Engineering Product Guide, Apollo publication number PP2052, which gives full information on the use of Discovery detectors.