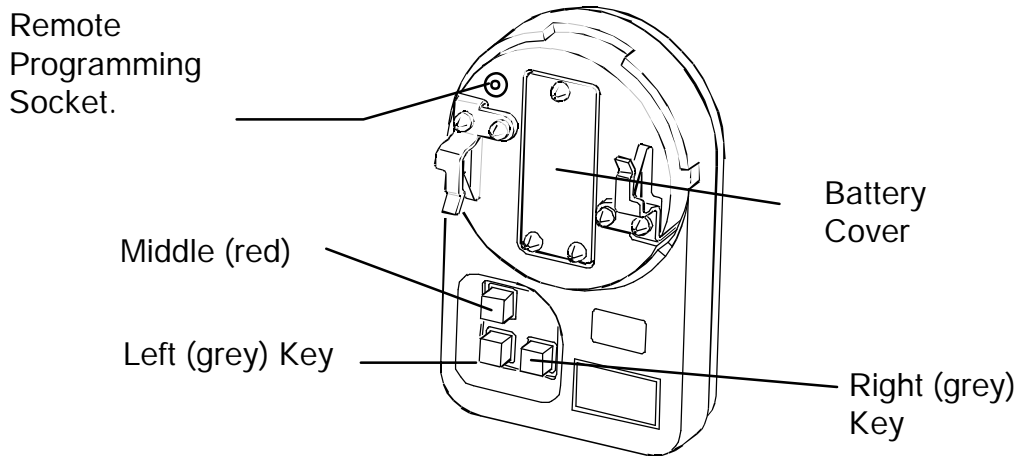


Hochiki TCH-B100 - ASX Programmer Operating Instructions



General Description

The TCH-B100 ASX Programmer is designed for use with the following products:

| | |
|--------|--------------------------------|
| ALG-E | Analogue Photo-electric Sensor |
| AIE-E | Analogue Ionisation Sensor |
| ATG-E | Analogue Heat Sensor |
| ACA-E | Analogue Multi-Sensor |
| CHQ-BS | Loop Powered Sounder |

The programmer is used to set the address of the above products for use with Hochiki ESP systems. The unit is designed to be light, robust and easy to use and operates from a single PP3 size, heavy-duty battery which gives the capacity for up to 8,000 operations.

Keys

The TCH-B100 has 3 operating keys, a middle red key and lower left and right grey keys, these keys have the following functions.

- ❑ **Left** (grey key) key - Power On - automatically reads the address of the fitted sensor - subsequent operations of this key will advance the programmer address in units of 10.
- ❑ **Right** (grey key) key - Advances the programmer address display in units of 1. Also used as the Power Off button.
- ❑ **Middle** (red key) key - Stores the displayed address to the Sensor and is used to read the Sensor's analogue levels.

Operation - Address Setting

- ❑ Locate the Sensor onto the programmer ensuring the 3 locating pips line up with the grooves in the programmer.
- ❑ Press the left (grey) key to switch the programmer on, a battery check message will be displayed followed by the address of the Sensor fitted (previously un-programmed Sensors will read 127).
- ❑ Select the required address by incrementing the programmer display (left grey key, 10's, right grey key, units). Whilst the display is showing an address different to that stored in the Sensor, 3 dots will also flash.
- ❑ Once the wanted address is displayed press the upper (red) key to store the address in the Sensor. Once the address is correctly stored the 3 dots will cease to flash and the display will show the address set.
- ❑ To program a CHQ-BS the enclosed lead must be used, firstly connect the plug in to the remote programming socket and connect the black croc clip to the C terminal, and the red croc clip to the L terminal on the base sounder. The address can now be programmed as described above.

Please note that when programming CHQ-BS the maximum address permissible is 254. CHQ-BS/Control Panel instructions should be checked for address range.

Operation - Analogue Level Reading

If the Sensor is an AIC-E / AIE-E then the analogue reading should be ignored for the first 30 seconds until the device stabilises.

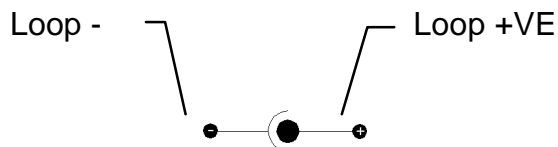
To read the analogue level of a Sensor:

- ❑ Locate the Sensor on the programmer and switch on as described in the previous section.
- ❑ Press the middle (red) key, an 'A' (for analogue value) will be displayed followed by the analogue value of the Sensor which will be constantly updated for up to 3 minutes or until the right (grey) key is pressed to switch the unit off.

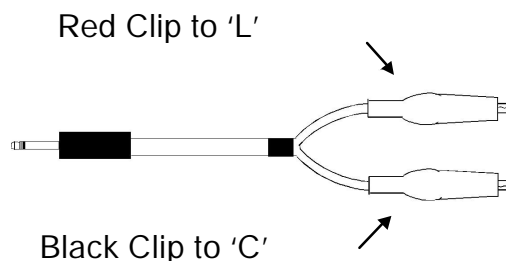
Remote Programming Socket

The remote programming socket allows the user to program other ESP devices that contain the EEPROM technology, such as Loop powered sounders (CHQ-BS). The Jack socket is wired as the diagram below.

Programming Socket



Programming Lead



Caution

- ❑ Only to be used with the ASX Programmer and Hochiki loop devices.
- ❑ Do not short croc clips together.
- ❑ Remove from programmer when not in use.

Ancillary Functions

In addition to the main functions the TCH-B100 may display the following messages:

| | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| bAt | - If displayed on subsequent power on, a low battery voltage should be suspected - this facility will operate with sufficient life in the battery for approximately 3000 address setting operations left. |
| E0 | Attempting to program an address greater than 127 |
| E1 | Attempting to program an address with no Sensor connected |
| E2 | Cannot find Sensor on power on |
| E3 | Non valid response from ASX sensor |
| E4 | Cannot find a device to program |
| E5 | Device read error |
| E6 | Fail during analogue level reading |



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