

Hand Held Terminal For MultiFlex Upgrade Kit

P/N 814-3118

Overview

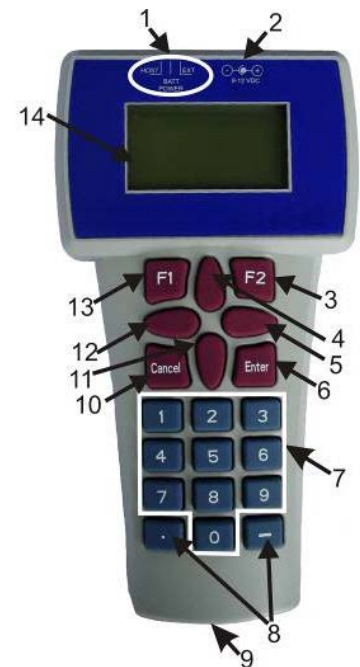
The P/N 814-3118 MultiFlex Upgrade Hand Held (HHT) Terminal can operate like a standard 814-3110 HHT, but it also has support to upgrade an 810-3064 MultiFlex 88 to an 810-3063 MultiFlex 88AO and 810-3066 MultiFlex 168 to an 810-3065 MultiFlex 168AO.

NOTE: It is recommended that MultiFlex I/O boards with versions lower than VER: 1.11F01 (before June 2003) be returned to the RG department for upgrade. For example, VER: 1.00F01 and VER: 1.10F01 are lower than VER: 1.11F0, and have a possible risk of the board becoming inoperable during HHT firmware upgrade.

HHT Device Front Keypad

LEGEND

- | | |
|----|---|
| 1 | The power switch determines if the HHT is in self-powered mode (BATT), ext power (EXT), or if powered from a target device (HOST) |
| 2 | External Power Connector (9-12 VDC) |
| 3 | F2 - Main Menu |
| 4 | UP Arrow - moves to previous screen, editable field, or top screen |
| 5 | Right Arrow - selects the editable field starting from the bottom of the screen; selects the last editable field from bottom to top |
| 6 | Enter - save into memory |
| 7 | Numeric keypad |
| 8 | Scrolls the list selection and scrolls through ASCII characters if in a text field |
| 9 | RS-485 Connector |
| 10 | Cancel - clears/erases text in the editable field; cancel overrides |
| 11 | DOWN Arrow - moves to the next screen, editable field, end of screen, or advances |
| 12 | Left Arrow - selects the first editable field from top of the screen, and next editable field from top to bottom |
| 13 | F1 - Home screen |
| 14 | LCD - four lines of 16 characters |

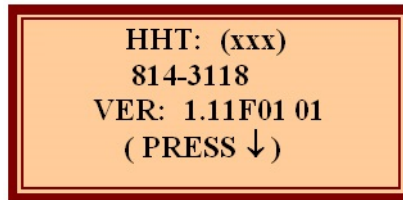


Specifications

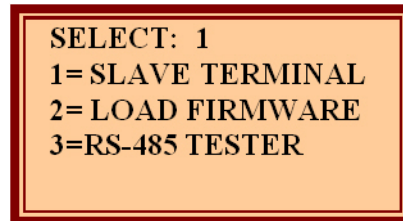
Connector	Female RJ-11 plug
Display	Graphic LCD (128 x 64 pixels)
Power Requirements	None (9V battery optional)
Dimensions	3.9" Wide x 8.3" Tall x 1.6" Deep (approx.)
Operating Environment	-20°C to 50°C
Storage Environment	-40°C to 65°C
Approvals	UL/CSA, CE, FCC

To Upgrade an 810-3064 MultiFlex 88

1. Plug the 814-3118 into the RJ-11 jack on the 810-306x.
2. After few seconds the following screen should appear:



3. Press the **DOWN** arrow to access the MultiFlex or to upgrade the board.



4. Press the **DOWN** arrow again to access the MultiFlex board, or press the **Right** arrow then select 2.
5. Press the **DOWN** arrow twice to display the following screen:



6. Press the **DOWN** arrow to upgrade the device. The count (**CNT**) is the number of Board upgrades still available.
Slot #1

MultiFlex 88
VER: 1.80F01
SLOT: 1 CNT: 0
UPGRADE: NO

Press the **DOWN** arrow to display the following screens:
Slot #2

MultiFlex 88AO
VER: 1.80F01
SLOT: 2 CNT: 10
UPGRADE: NO

Slot #3

MultiFlex 168
VER: 1.80F01
SLOT: 3 CNT: 0
UPGRADE: NO

Slot #4

MultiFlex 168AO
VER: 1.80F01
SLOT: 4 CNT: 10
UPGRADE: NO

Slot #5

HHT ADVANCED2
VER: 1.11F01
SLOT: 5 CNT: 0
UPGRADE: NO

NOTE: Slot #5 is only used to show the version of the HHT.

7. To Upgrade a MultiFlex board, select either slot #2 or #4 depending on the model of board that is being upgraded. To upgrade a MultiFlex 88 to an 88AO select slot #2. To upgrade a MultiFlex 168 to a 168AO, select slot #4.

8. Press the **Right** arrow then press the “-” minus key to select **YES**. Press the **DOWN** arrow twice. The BLOCK count increases as the firmware is being upgraded.

MultiFlex 88AO
VER: 1.80F01

BLOCK: 1

9. After the firmware upgrade, the board resets and the following screen appears.
NOTE: The Status LED should be flashing once per second to indicate proper operation.

UPGRADE RESULT:

FIRMWARE UPDATED

10. Press the **UP** arrow or **F2** to get to the main menu.

SELECT: 1
1= SLAVE TERMINAL
2= LOAD FIRMWARE
3=RS-485 TESTER

11. Press the **DOWN** arrow to display the following screen:

MULTIFLEX 88AO
810-3064
VER: 1.80F01
(PRESS ↓)

OR

MULTIFLEX 168AO
810-3065
VER: 1.80F01-01
(PRESS ↓)

Press and hold **F1** for 6 seconds to return to the main menu.

12. Unplug the Hand Held Terminal (HHT) cable from the RJ-11 connector on the board and connect it to the next board to be upgraded.

HHT Power Source

The HHT does not require a separate power source. The unit is powered from the RJ-11 connector on the peripheral equipment. The 9V battery and 9-12V DC adapter connection are not used on this model. The HHT includes a standard male RJ-11 to male RJ-11 cable. If HHT does not power up, make sure that the Power Switch (no.1) is in “**HOST**” position, please refer to the [HHT Device Front Keypad](#) section.

Visit our website at copeland.com/en-us/products/controls-monitoring-systems for the latest technical documentation and updates.

For Technical Support call **833-409-7505** or email ColdChain.TechnicalServices@Copeland.com