

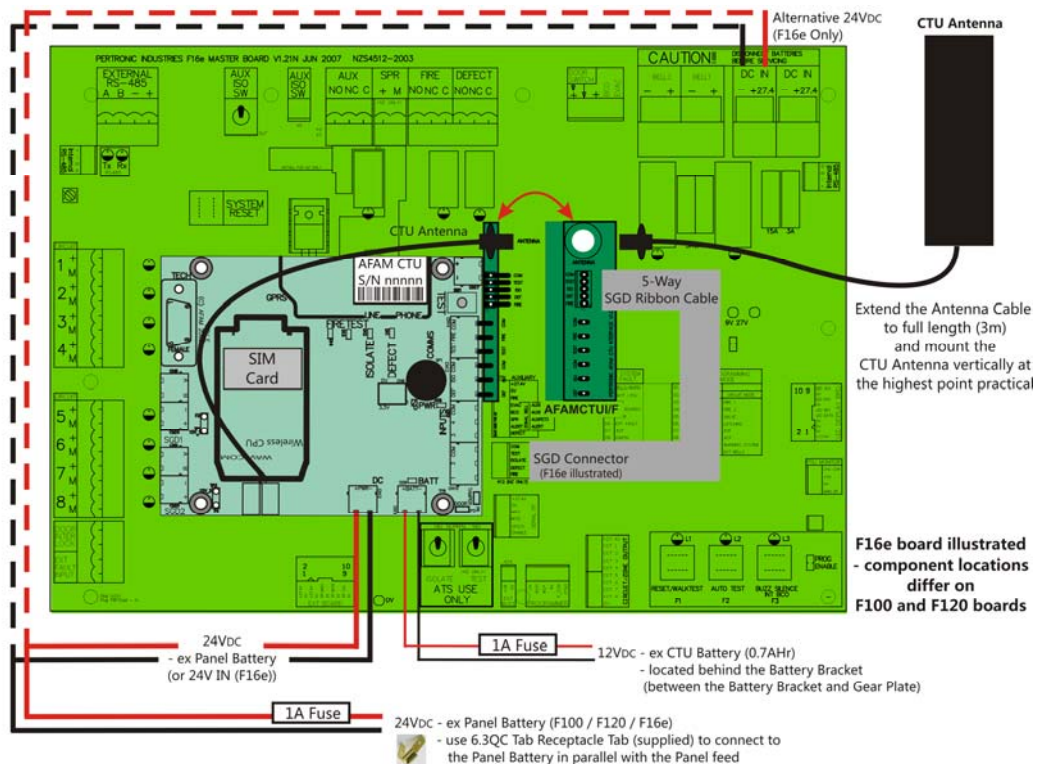
## AFAM CTU in F100/F120/ F16e Panel - Installation Note

### Overview:

The CTU provides Fire Alarm and Defect signals to the AFAM Message Handling System (MHS) using Vodafone's General Packet Radio Service (GPRS). The MHS automatically messages the NZ Fire Service Agent as appropriate. If the CTU detects a radio communications failure it messages the MHS over the land-line

Fitting an AFAM CTU into a Pertronic F16e, F100 or F120 panel requires a two-part kit and a simple five step process.

Part Number	Description	Supplier
<b>a) AFAMKIT-F16E/F100/F120</b>	- consists of:	Pertronic
- AFAMCTUI/F	- Interface between CTU and Pertronic Master board	Pertronic
	- Interface Cables	Pertronic
<b>b) CTU-KIT</b>	- consists of:	AFAM
	- CTU board, with SIM card and antenna with flying lead	AFAM
	- 12V, 0.7AHr Back-Up Battery : <i>ienergy ICB1207</i>	AFAM



### Installation:

#### 1. CTU Interface board (AFAMCTUI/F):

- screw the CTU Antenna socket on the flying lead into the CTU Interface board
- screw the CTU Interface board pins into the CTU board, ONBOARD SGD sockets: CN13 & CN14
- plug the SGD ribbon cable into the Master board SGD socket (K14 on F100; K12 on F16e) or BRIGADE socket (K2 on F120) and the CTU Interface board (K2)

#### 2. DC Supply:

- connect the cable with 1A Fuse and 2-way connector from the CTU DC Supply (CN12) onto the panel's 24V Battery using the 6.3QC Tab-Receptacle-Tab terminals (supplied) (F16e/F100/F120) or into the second DC IN socket (K20) on the F16e Master board

#### 3. 12V, 0.7AHr Battery:

- place the Battery in the space between the Battery Bracket and the Gear Plate
- connect the 1A In-Line Fuse cable into the AFAM CTU BATT Supply (CN11)
- plug the 2-pin 1A In-Line Fuse plug into the Battery socket

#### 4. CTU Antenna:

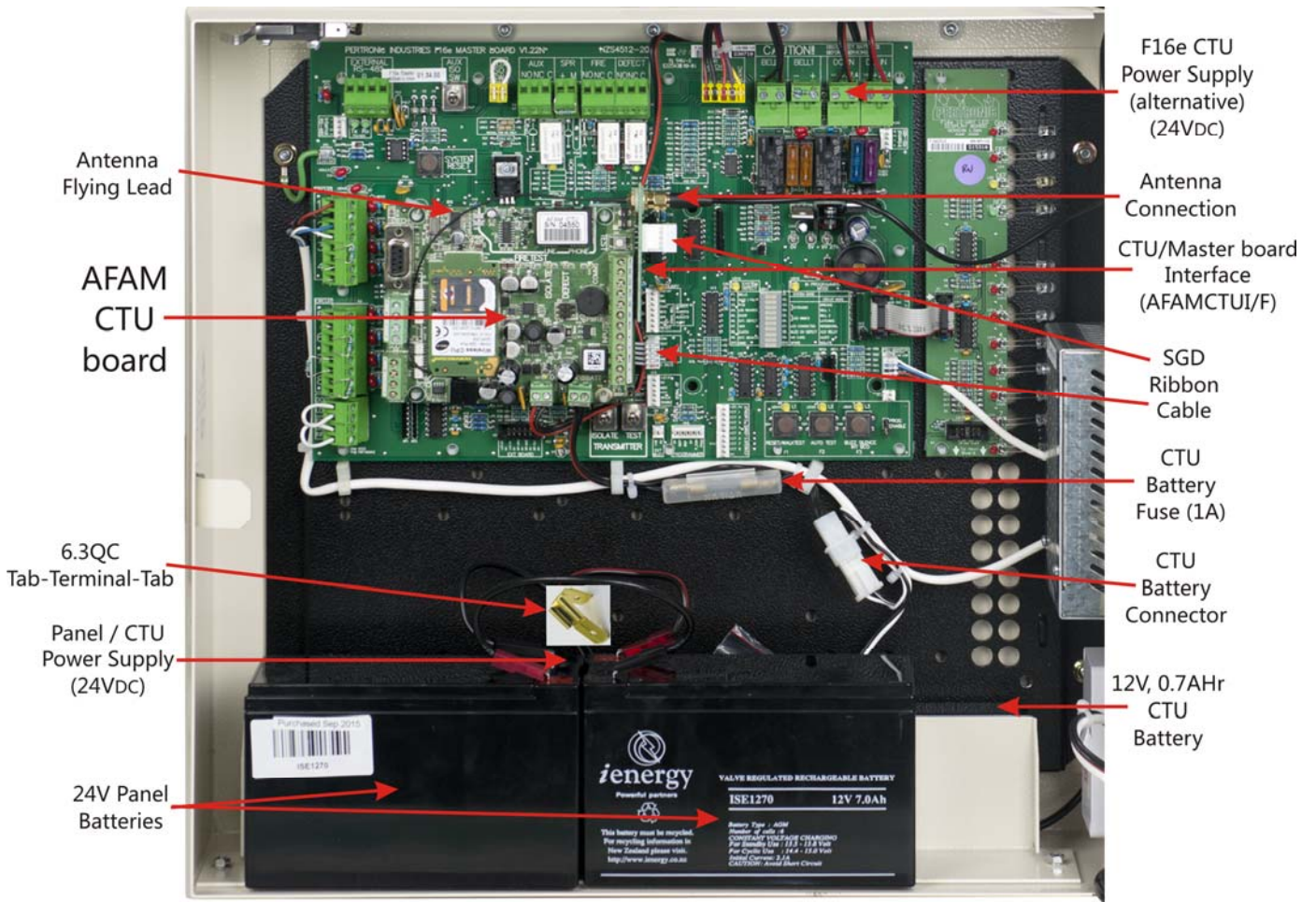
- draw the CTU Antenna into the F100/F120/F16e panel through a cable access and terminate it on the RF socket on the CTU Interface board (ANTENNA)
- extend the CTU Antenna cable to its full length (3m) and mount the CTU Antenna vertically at the highest point practical to provide optimum access to the mobile network

#### 5. System Tests:

- perform system tests using the instructions provided in AFAM's 'CTU Installation Instructions for Service Agents Issue 1.3

**F100/F120/F16e with AFAM CTU Fitted:**

- extend the CTU Antenna cable to its full length (3m) and mount the CTU Antenna vertically at the highest point practical to provide optimum access to the mobile network



(F16e illustrated)