# <u>AMPAC LOOPSENSE IN-PANEL</u> <u>CTU INSTALLATION</u>

### 1. Installation

a. Install CTU on to Ampac Loopsense Fire Alarm Panel Masterboard using supplied stand-offs (and plastic backing board if required)

#### 2. Data Interface Connection

- a. Connect 6 wire loom (SGD Ribbon) on CTU board C2 connector (cable to the right)
- b. Connect to Loopsense Masterboard 6 wire loom connector (cable to the right)

#### 3. Mains Power Supply (24v DC)

- a. Connect one end of supplied 2 wire cable in to DC input on CTU
- b. Connect to the 24v DC output on the Loopsense Masterboard

#### 4. Backup CTU Battery (6v 1.3ah)

- a. Connect battery leads in to BATT input on CTU
- b. Attach to 6v 1.3ah battery placed under Loopsense Masterboard
- c. Note light will momentarily illuminate red when charging or running on battery

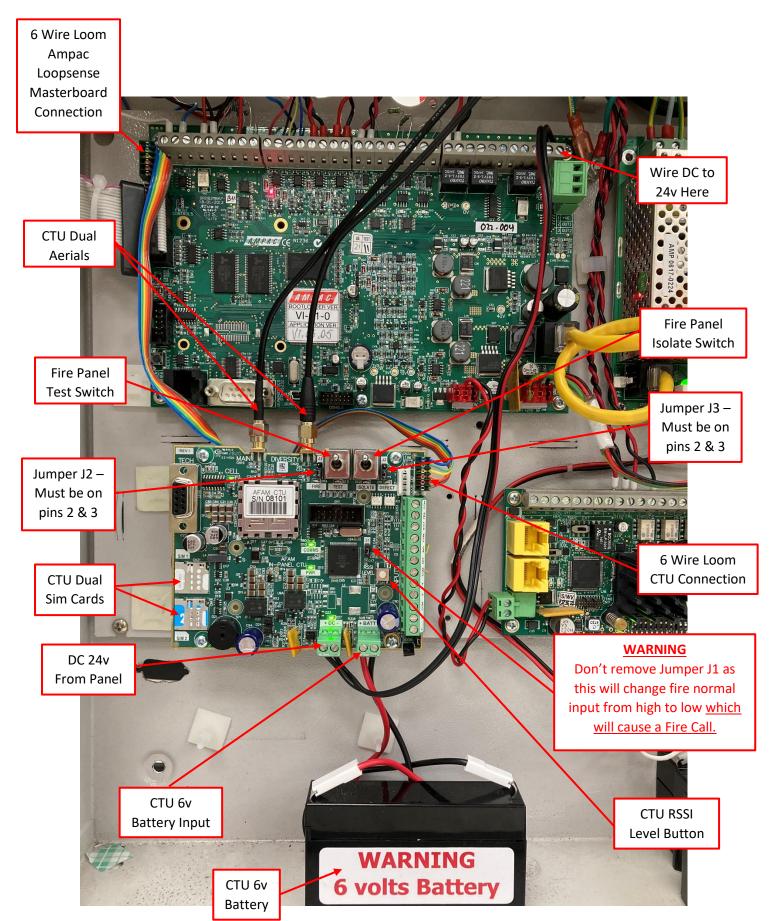
#### 5. CTU Aerials

- a. Dual aerials required. Connect aerial flyleads/cables to both the Main and Diversity connectors on the CTU
  - i. <u>Fixed Antenna</u> Install bulkheads at top of panel following '4G LTE Aerial Installation' recommendations (approx. 150-200mm apart). Mount fixed aerials on top of panel vertically using 2x 300mm extension flyleads.
  - ii. <u>Cabled Antenna</u> Run cabling through top of Loopsense panel and mount following '4G LTE Aerial Installation' recommendations (approx. 150-200mm apart). Temporarily fix aerials to window ready for commission testing.

#### 6. Commissioning Tests

- a. Comms light illuminates solid green to show CTU is connected to the cellular network
- b. Contact office on 03 341 0464 to test and commission the CTU and complete the connection to Fire & Emergency NZ.

## **AMPAC LOOPSENSE IN-PANEL**



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