PERTRONIC F16e IN-PANEL CTU INSTALLATION

1. **Installation**
    a. Install CTU on to Pertronic F16e Fire Alarm Panel Masterboard using supplied stand-offs

2. **Data Interface Connection**
    a. Connect 5 wire loom (SGD Ribbon) on CTU board C2 connector (cable to the right)
    b. Connect to F16e Masterboard 5 wire loom connector (cable to the bottom)

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 F16e Masterboard

4. **Backup CTU Super Capacitor (22v)**
    a. Connect 3 way Super Cap leads on to pins between DC and BATT
    b. Securely attach the Super Capacitor to the panel using tape and screws
    Note light will momentarily illuminate red when charging or running on capacitor

5. **CTU Aerials**
    a. Dual aerials required. Connect aerial flyleads/cables to both the Main and Diversity connectors on the CTU
        i. <u>Dome Antenna</u> – Run cabling through top of F16e panel and mount following '4G LTE Aerial Installation' recommendations.
        ii. <u>Patch Antenna</u> - Run cabling through top of F16e 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.

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Dome Antenna

Test & Isolate Switches – Not required on Pertronic Panels… Jumpers J2 & J3 – Must be on pins 1 & 2, or to enable switches remove jumpers

Wire DC to 24v Here

CTU Dual Aerial Connectors

CTU RSSI Level Button

22v Super Capacitor

5 Wire Loom CTU Connection

5 Wire Loom Pertronic F16e Masterboard Connection

CTU Dual Sim Cards

WARNING
Don't add Jumper J1 as this will change fire normal input from high to low which will cause a Fire Call.

DC 24v From Panel

22v Super Capacitor 3 Way Pins