Addressable Radio Interface Translator Module Specification

Compliance with standards
Radio Interface Modules shall be designed to meet the requirements of EN54 Part 25 & BS5839 Part 1.

General
Radio Interface Modules shall be provided to connect one zone of radio detectors to one of the C.I.E. Signalling Line Circuit (SLC) Loops.

The Radio Interface Modules shall mount in a purpose made surface mount box with antenna positions in two planes.

Functionality
The Radio Interface Modules shall use 868MHz to communicate with up to 32 radio devices.

The Radio Interface Modules shall be loop powered and addressable devices, and shall connect with two wires to one of the C.I.E. Signalling Line Circuits.

The radio devices shall pass all analogue or digital device data via the Radio Interface Modules to the C.I.E.

Address setting
The Radio Interface Modules shall provide address setting on the Module using the on board LCD.

Addressable Modules that use binary address setting methods, such as a dip switch, code cards or soft addressing are not acceptable.

The modules shall also feature an internal identifying code that the control panel shall use to identify the type of Module.

Visual indication
The Radio Interface Modules shall provide 3 visible LED indicators.

The LED's shall give visual indication of:
- Device Healthy
- Module Fault
- Low Power Source

The Radio Interface Modules shall provide an LCD for programming and additional information for the connected radio devices.

Test functions
The Radio Interface Modules shall pass test requests invisibly to the radio devices which, in turn, will respond in the same way as other loop powered devices.

Additional requirements
Up to 6, addressable Radio Interface Modules may connect to one SLC loop.
The C.I.E software, not the Radio Interface Modules, shall make the alarm/normal decision, thereby allowing the system operator to view the status of each radio device.