

**EL2603NA smoke detector operational description**

This document describes the operation of the EL2603NA smoke detector according to the block diagram shown below.

The transmitter operates at 418 MHz and it is FM modulated. The antenna is internal whip of 130 mm length.

The smoke sensor is Interlogix ESL560NS. The sensor feeds a controller port.

The controller is Microchip PIC16LF628A.

Sensor detection causes the controller to activate the transmitter.

Two 3V/1500mAh 2/3AA Lithium batteries feed the detector.

