

Fire detector comprises a thermoresistive sensing element, an electric current source, switches, a control unit, and a computing unit, a first output of which is connected to a "Fire" bus. A second output is connected to an input of the control unit, a first output of which is connected to control inputs of the switches, an output of the electric current source is connected to an input of a first switch, a second output of which is connected via the thermoresistive sensing element to an input of a second switch. Additionally, it comprises a third switch, a memory unit, and an algebraic adder, a first output of the second switch is connected to an input of the third switch, a first output of which is connected to a first input of the computing unit, second and third inputs of which are connected, respectively, to an output of the algebraic adder and to a third output of the control unit. A second output is connected to a control input of the third switch, a second output of which is connected via the memory unit to a first input of the algebraic adder, and a second input thereof is connected to a second output of the second switch.