

Title (en)
Cableless danger signal system.

Title (de)
Kabelloses Gefahrenmeldesystem.

Title (fr)
Système sans fil pour signaler des dangers.

Publication
EP 0316853 B1 19940309 (DE)

Application
EP 88118986 A 19881114

Priority
DE 3739042 A 19871117

Abstract (en)
[origin: EP0316853A1] A cableless danger signalling system having at least one room CPU (RZ) which is connected via existing mains lines (NL) to a building CPU, and having a plurality of infra-red transmission devices arranged in a respective room, having in each case at least one danger signalling system (GM) connected thereto, the latter being in communication with an infra-red transmission device of the room CPU (RZ). The infra-red transmission device for sensors has a battery-fed infra-red transmitter (IRS) with a quartz-controlled pulse generator IC (PIC), to which a plurality of danger sensors (SD) are connected. One or more transmitting diodes (SD) with a relatively simple optical system are aligned with the room CPU (RZ). The room CPU (RZ) has at least one infra-red receiver (IRE) and one microprocessor system (MPS) which processes the received data and prepares it for mains transmission to the building CPU (GB) by means of an assigned mains transmission device (NUB). The room CPU (RZ) can have a non-directional all-round infra-red receiver (IRE) and the individual infra-red transmitters (IRS) can each have an individual transmitter coding. The room CPU (RZ) can also have a plurality of infra-red receivers (IRE) to which in each case a receiving optical system with an extreme beam concentration (e.g. < 2 DEG) is assigned, in each case an infra-red receiver (IRE) being aligned with an infra-red transmitter (IRS) and the infra-red transmitters (IRS) being identical. The infra-red transmitters regularly transmit pulse spacing-modulated pulse telegrams, different status information items being transmitted. <IMAGE>

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