

MCT442 operational description

The MCT442 is a carbon monoxide (CO) detector designed to monitor the CO gas level in residential dwellings and give early warning before potentially dangerous levels exist. The CO alarm is transmitted to the PowerMax+ (version F and up) or PowerMax Pro and presented on its display.

The CO gas is considered to be a highly dangerous poisonous gas because it is colorless, odorless, tasteless and very toxic. Presence of CO gas inhibits the blood's capacity to transport oxygen throughout the body, which can eventually lead to brain damage. CO gas is produced by incomplete combustion of fuels (such as natural gas, propane, heating oil, kerosene, coal, charcoal, gasoline or wood) that can occur in any device that depends on burning for energy and heat (such as furnaces, boilers, room heaters, hot water heaters, stoves, grills and in any gasoline powered vehicle or engine).

The transmitter operates at 315 MHz and utilizes a helical integral antenna, the device is powered by 9 V Lithium battery.

Transmitted Messages: CO gas alarm, low battery, tamper, sensor end of life (5 years), sensor trouble, supervision.

Tamper Alerts: Tamper message is transmitted to the PowerMax+ / PowerMax Pro control panel when the detector is removed from its bracket.