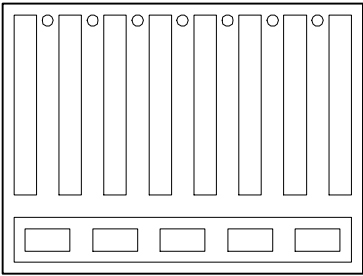
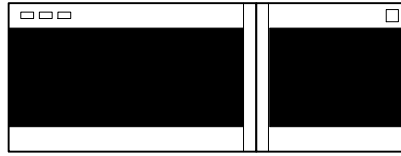


EMAlert™

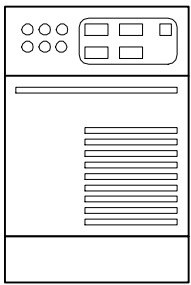
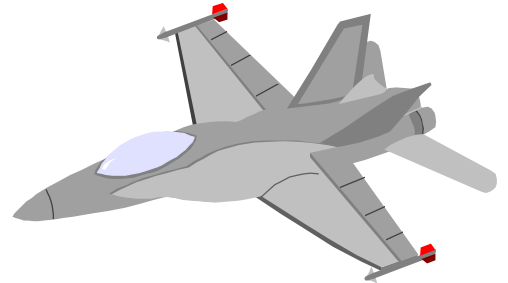
The Last Line of
Defence Against EMI



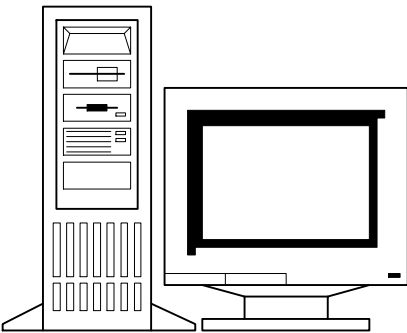
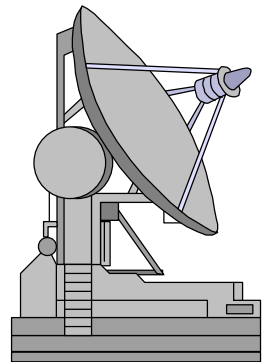
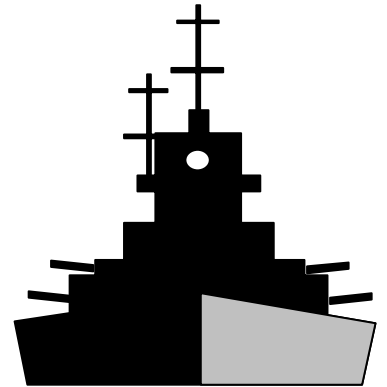
Hub



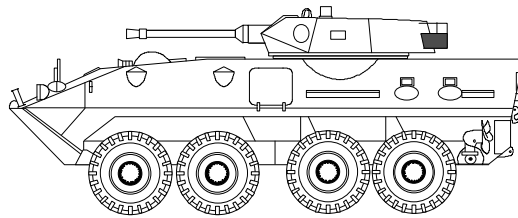
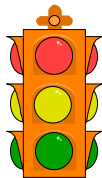
Router



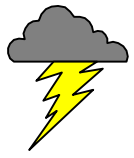
U.P.S.



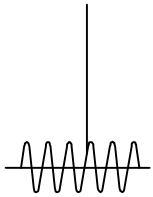
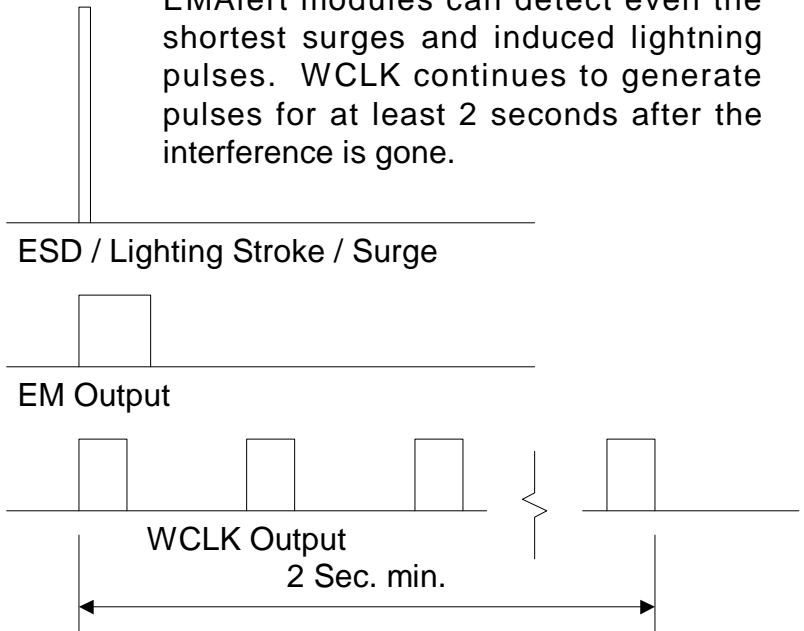
Workstation



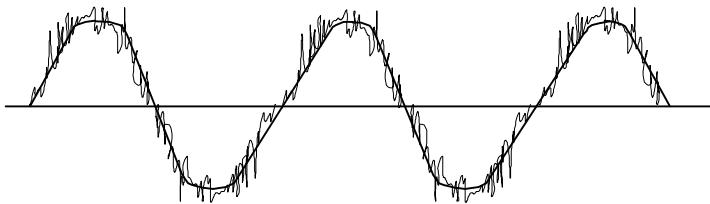
Detection of ESD Discharges and Line Surges (All EMAlert™ Modules)



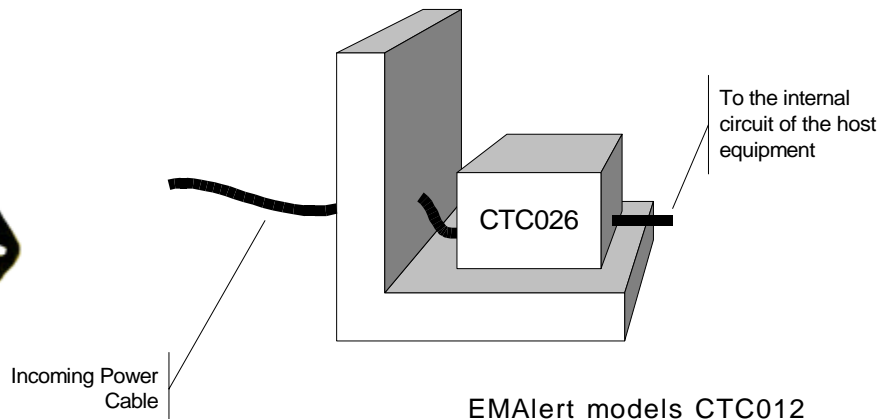
EMAlert modules can detect even the shortest surges and induced lightning pulses. WCLK continues to generate pulses for at least 2 seconds after the interference is gone.



Detection of Conducted Emission on Power Lines with CTC026



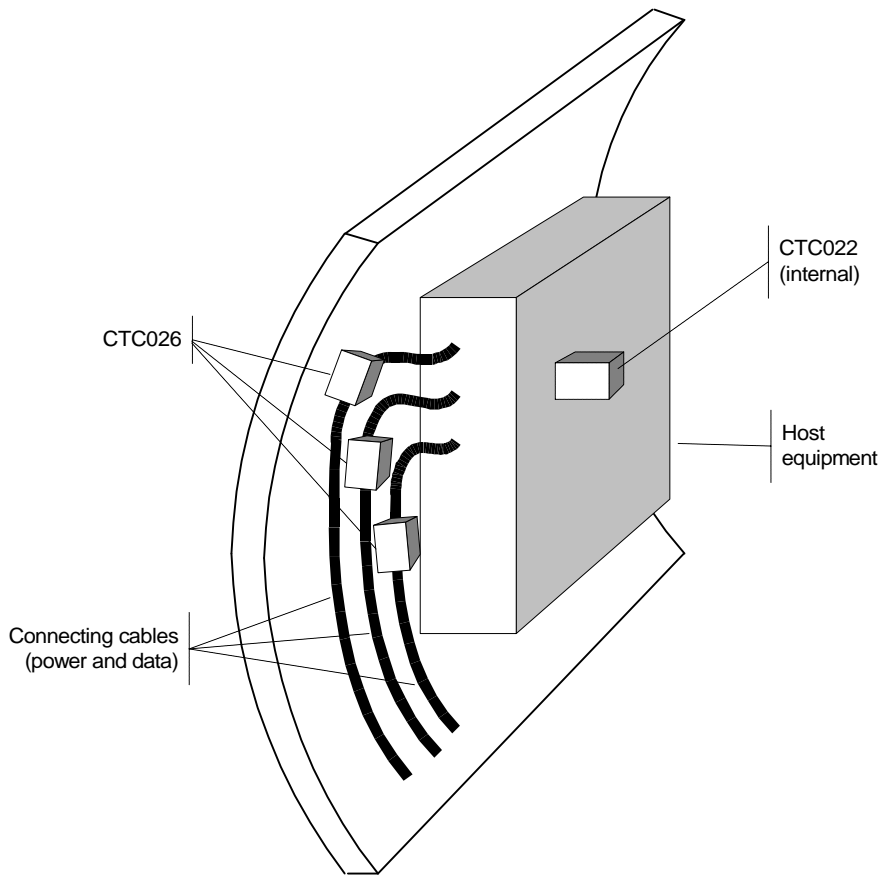
EMAlert modules for conducted emission should be placed in the immediate proximity to the cable entry before the cable gets to the host's circuit.



Bonus Point

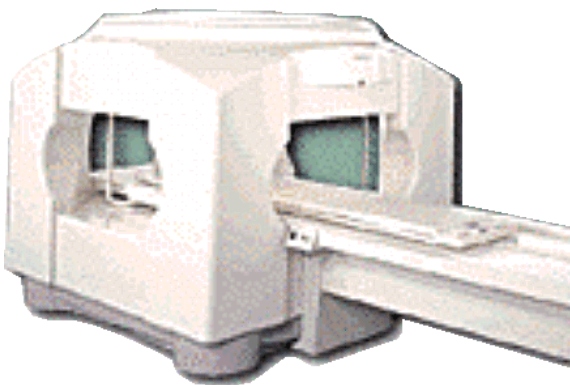
EMAlert models CTC012 and CTC016 have ferrite sensors that reduce emission and eliminate the need for an additional ferrite choke on a cable.

Placement of EMAlert™ Modules on the On-Board Equipment



Install conducted emission modules (CTC016 or CTC026) on every connecting cable that is capable of bringing emission or surges. Radiated module (CTC012 or CTC022) should be placed preferably inside the equipment enclosure in order to account for the shielding effects of the enclosure.

EMAlert™ in Medical Equipment

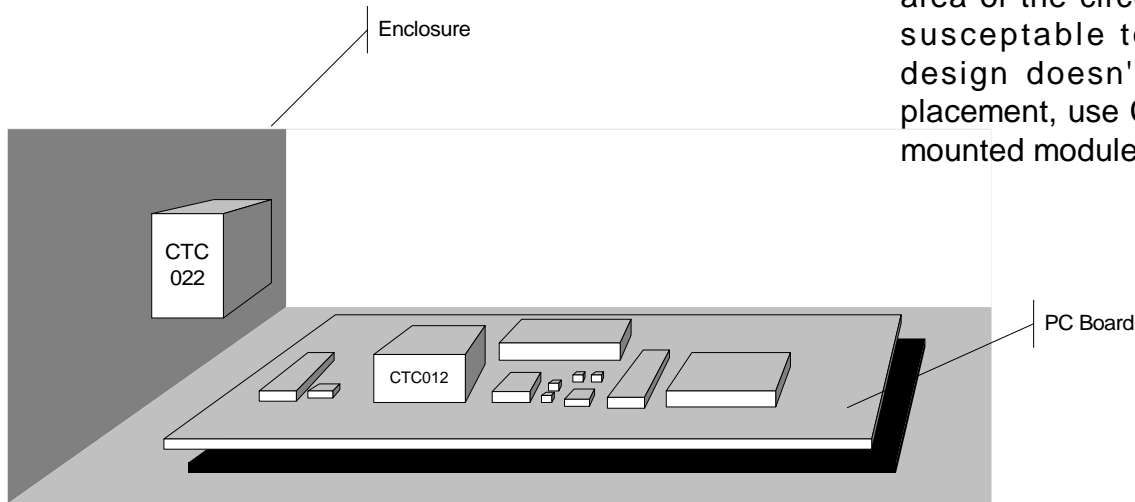


Medical equipment is susceptible to EMI and the consequences can be dramatic. Provide ultimate protection for sensitive medical equipment with EMAlert™ modules.

The combination of radiated (CTC012, CTC022) and conducted (CTC016, CTC026) emission modules can provide complete protection against harmful EMI.

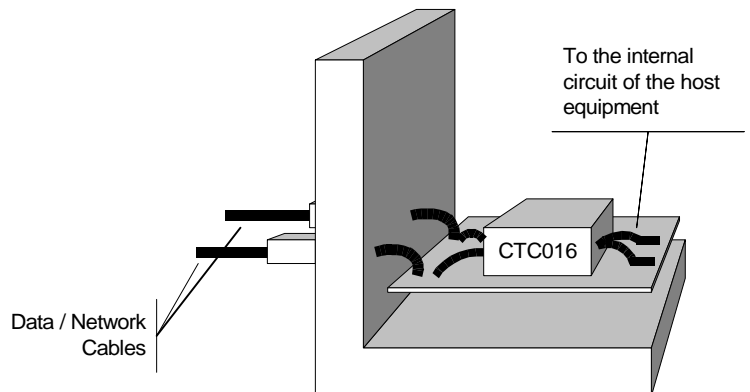
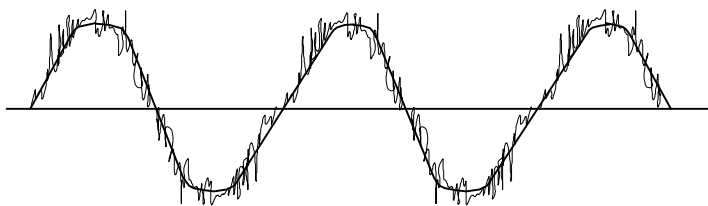
Detection of Radiated Emission Inside the Product with CTC012 and CTC016

Place EMAlert™ module CTC012 on the PC board in the area of the circuit that is most susceptible to EMI. If the design doesn't allow board placement, use CTC022 -- wall-mounted module -- as shown.



Detection of Conducted Emission on Data Lines with CTC016 and CTC026

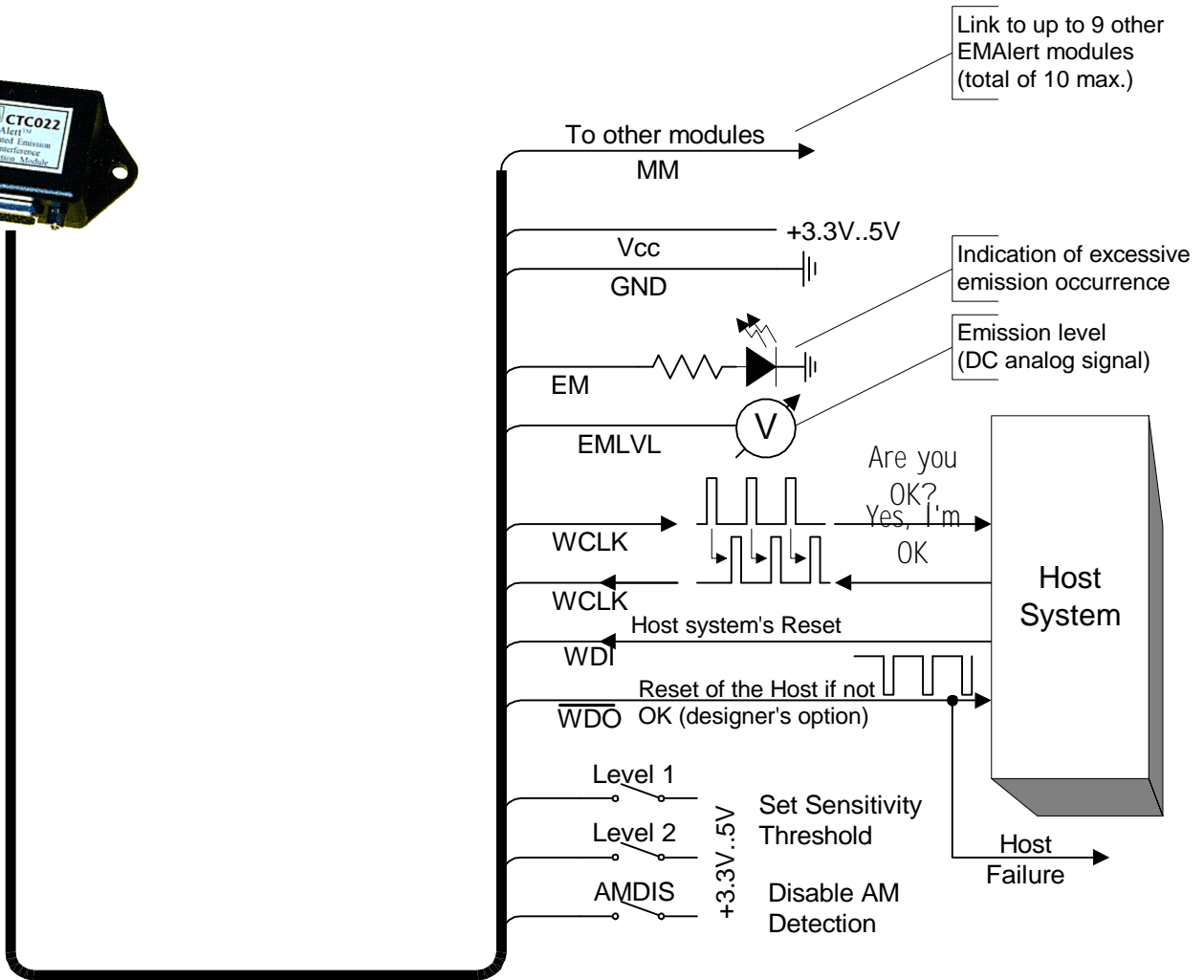
EMAlert modules for conducted emission CTC016 and CTC026 should be placed in the immediate proximity to the cable entry before the cable gets to the host's circuit.



Bonus Point More than one data cable can go through one module.

Bonus Point EMAlert models CTC012 and CTC016 have ferrite sensors that reduce emission and eliminate the need for an additional ferrite choke.

EMAlert™ Single Module Connection to the Host System



EMAlert™ Connection to the Host System (Generic Interface)

