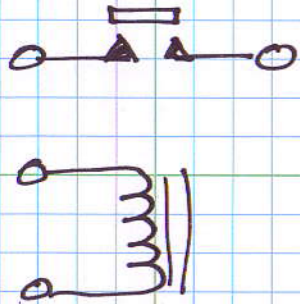
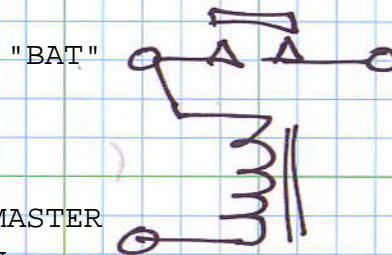
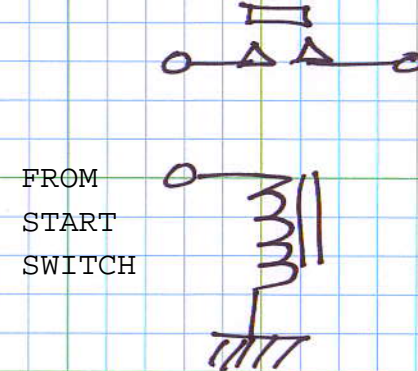


4- TERMINAL CONTACTOR

3- TERMINAL CONTACTOR
(COIL COMMON TO "BAT")FROM MASTER
SWITCH2- TERMINAL CONTACTOR
(COIL COMMON TO CASE)FROM
START
SWITCH

MOST CONTACTORS OFFERED HAVE INDEPENDENT TERMINALS FOR BOTH THE SWITCH (FAT TERMINALS) AND THE COIL. THE SYSTEM INTEGRATOR IS CHARGED WITH DETERMINING HOW ALL FOUR TERMINALS ARE WIRED TO ACHIEVE DESIRED FUNCTIONALITY.

AIRPLANES HAVE LONG EXPLOITED A 3-TERMINAL CONTACTOR VERSION WHERE ONE COIL LEAD IS TIED INTERNALLY TO A FAT TERMINAL (USUALLY MARKED "BAT"). THE SYSTEM INTEGRATOR ONLY NEEDS TO GROUND THE FREE END OF THE COIL TO ENERGIZE THE CONTACTOR.

ANOTHER 3-TERMINAL OFFERING TIES ONE END OF THE COIL TO THE CONTACTOR CASE (GROUND). THIS IS A COMMON CONVENTION FOR INTERMITTENT DUTY, STARTER CONTACTORS. IN THIS CASE, THE ONE COIL TERMINAL IS PULLED UP TO BUS THROUGH A STARTER CONTROL SWITCH. ON A METAL AIRFRAME, THE COIL GETS GROUNDED AUTOMATICALLY THROUGH THE BASE.