Installation of Main Computer Unit (MCU)

Position

The **MCU** should be mounted in an accessible position, protected from rain or salt water. Inside a locker or on a bulkhead below decks are suitable. It should be mounted close to the steering motor where convenient to minimise voltage drop between the **MCU** and motor.

Wiring

Access for wiring must be provided. Cabling will have to be run to the **control heads**, **rudder feedback unit**, **compass unit** and **steering motor**. Wiring should be kept as far as possible from radio aerials and aerial cables to prevent interference to the radio, and to prevent transmitted signals from the radio influencing the pilot.

The **MCU** must have a direct connection to power supply via an isolating switch. A power cable rated at 15 amps should be connected between power input switch and terminals on the **MCU**.

Connection - As per diagram labelled **AP50 Block Diagram.**

Accessibility

The MCU location should be easily accessible so that it is possible for a technician to make adjustments to the unit.

DIP Switch Setting

The DIP switches are located approximately in the centre of the PCB near the main processor IC. For AP50 with:

Dip 2 (IC8)
1
2 on for AP50 Head - only. Both 2 & 4 on for head
3 and AR
4 on for Active Remote

Dip 1 (HBUS Serial)
1 on for CTS (off for Commag)
2 on for CTS (off for Commag)
3 on for AP50 Head
4 Not used