Wiring UPB pass filters to reduce noise

Single or 3 Phase with Fuses or Circuit breakers (Not RCDs)

UPB signals can go through this type of Filter. The Filter is wired to lighting circuits up to 30 amps, lighting transformers can make power lines noisy.
Mount (Screw) unit close as possible to fuse box and make sure earth terminal is wired as it is connected to electronics internally.

Single or 3 Phase Phase with RCDs (Residual Current Device)

The filter MUST be wired before RCD because the RCD measures the current going into the circuit and the current going out, if there is a more than 10mA difference then RCD will trip. If wired after RCD it the filter will
consume 5mA to earth therefore making RCD trip at 5mA NOT at its proper rating.

Mount (Screw) unit close as possible to fuse box and make sure earth terminal is wired as it is connected to electronics internally.

**Note:** If hardwired equipment (e.g. aircon) is source of noise then wire correct amperage filter in series close as possible to the equipment

3 Phase equipment, usually Air condition or Pool pump.

Filters are NOT water resistant, they must be installed in a dry area.