

App Note 131

Pentair IntelliFlo Variable Speed Pool Pump



If you are using an IntelliFlo Variable Speed Pool pump in location that also has UPB devices you should know that this pump emits noise that disrupts UPB signals. This product produces the worst possible noise for UPB communication, and since these pumps are 240V the noise is produced equally on both phases of the house. The severe pulses may affect A/V equipment and other devices also. Note: only this model, Intelliflo, causes noise. All other Pentair pumps, single speed and dual speed, do not generate noise that would interfere with UPB signals.

There are two solutions. The most obvious is, you can use a different pump and the problem would be solved.

Transformer, 5kVA, 120/240V, Wall

ACME ELECTRIC | Zoro #: G0426833 | Mfr #: T253014S



Details:

Mounting - Transformer: Wall Input Voltage: 240/480VAC Output Voltage: 120/240VAC If the installation already uses the variable speed pump, or you have no control over a pump selection, fortunately there is a reliable fix that is relatively inexpensive.

Install a transformer to isolate the pump. Purchase a 5KVA 120/240 Transformer. Wire 240V in and 240V out from the 2 pole 20A breaker. This will prevent the noise from interfering with the UPB devices.

TWO POLE BREAKER

##end##





240V CIRCUIT BRAKER PANEL

