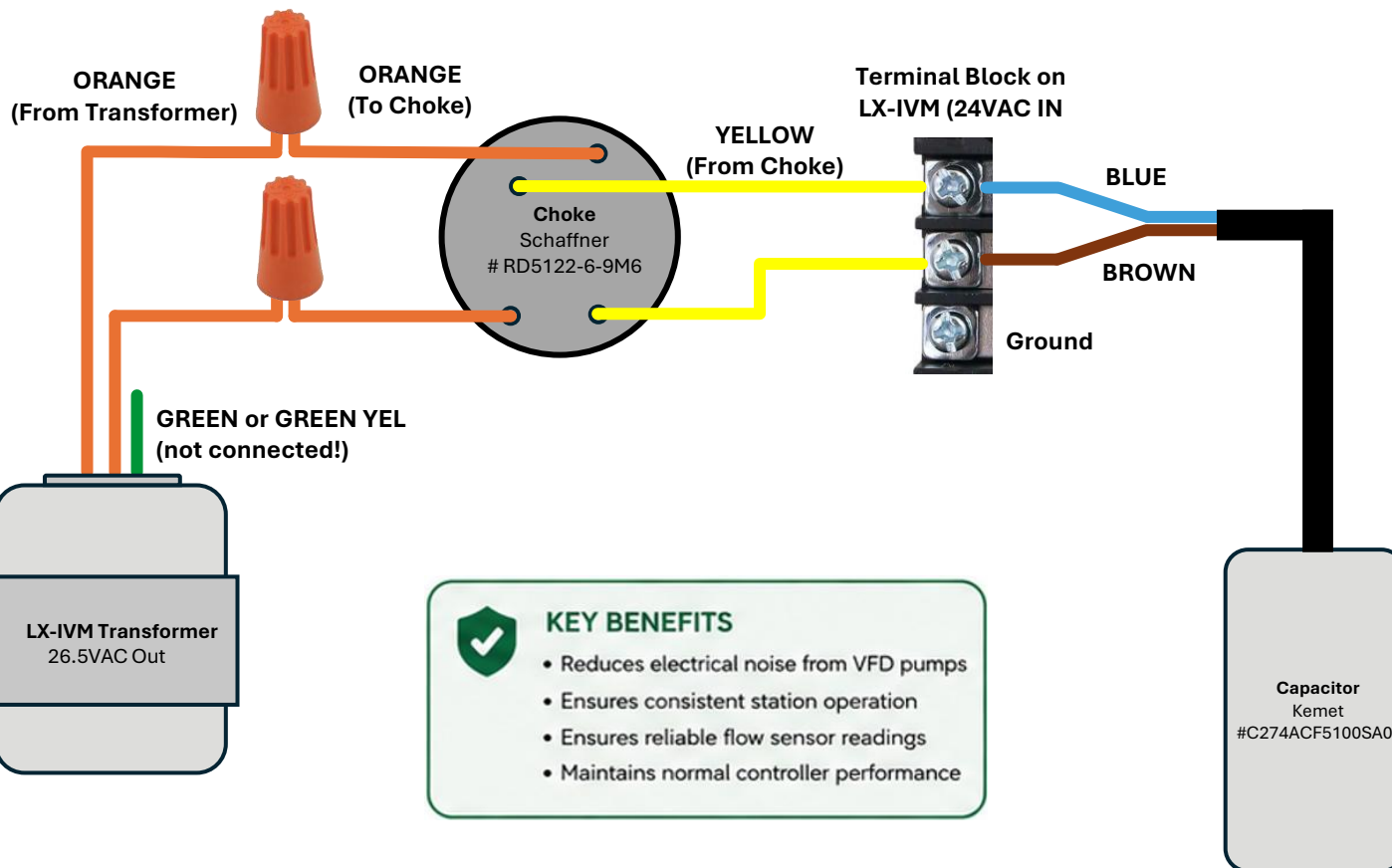




Choke Filter Connection for ESP-LXIVM Controllers

Connectors



Connecting a VFD Pump in the same power circuit as the LX-IVM Controller makes it prone to electrical noise having undesirable behaviour. Symptoms can include inconsistent operation of the stations and inability read flow from a compatible flow sensor. Rain Bird recommends the following modification to the controller to "filter out" the noise from the VFD and ensuring normal operations of the Controller.

STEP 1: Disconnect Transformer

Remove orange transformer wires from the terminal blocks

STEP 2: Connect Choke Input

Use the twist caps to connect orange transformer wires to orange choke wires

STEP 3: Connect Choke Output

Connect the yellow wires from the choke to the terminal block

STEP 4: Connect Capacitor

Also connect the blue and brown capacitor wires to the terminal blocks as shown

STEP 5: Remove Earth

Remove the earth cable from the transformer to the terminal block

