



APPLICATION NOTE

June 2018 Rev B

USE THE “Low Pass” 50/60 HZ FILTER WHEN TESTING WITH THE PRO93 and Pro95

The sensitive milliamp clamp-meters from Armada have an input filter that should be set for measuring current in lighting and irrigation systems. This filter is known as the Low Pass Filter (LPF) or 50/60 Hz filter and is used to limit current measurements to near AC power frequencies of 50 or 60 Hz. Using the filter will make measurements most consistent. You may see differences between the two meter models if the filters aren't selected.

In a two-wire irrigation control system check the current on one decoder to get your 'typical' reading and compare meter readings.

Set your meter to Low Pass Filter mode –

Pro93: Use the 50/60 Hz-HOLD button to select 50/60 Hz mode. The meter's LCD screen will show “50/60 Hz” when selected. If not selected “WIDE” will appear, meaning the measurement frequency range is too broad.

Pro95: Use the LPF-HOLD button to select 50/60 Hz mode. The LCD screen will show “LPF” when 50/60 Hz mode is selected.



Example 2 - Pro93



Example 1 - Pro95

