TECH UPDATE

TB0318-01

FFSPRO UNIVERSITY

FMP-LL3 DIGITAL PROBE BACKWARDS COMPATIBILITY

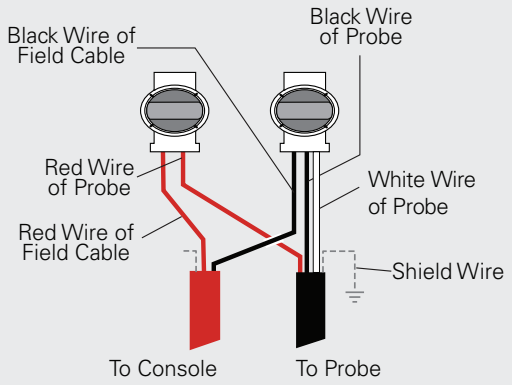
Our latest digital inventory and leak detection probes (FMP-LL3 Series) are fully compatible with most legacy Franklin Fueling Systems Automatic Tank Gauges (ATGs). These newer 2-wire probes require a unique method of wiring referred to as *LL2 Emulation Mode Wiring* when pairing them with legacy ATGs. For a full review of the proper FMP-LL3 Series probe ATG wiring methods, including the *Universal Data Protocol Mode Wiring* method used for newer ATGs, refer to the quick reference diagrams below.

LL2 Emulation Mode Wiring

This mode enables FMP-LL3 Series probes to communicate to legacy consoles in the original TSP-LL2 probe communication protocol.

Use this method for the following ATGs:

TS-5, TS-550, TS-5000, Colibri®, TS-1001, TS-2001, TS-750, TS-504, TS-508



INSTALLATION

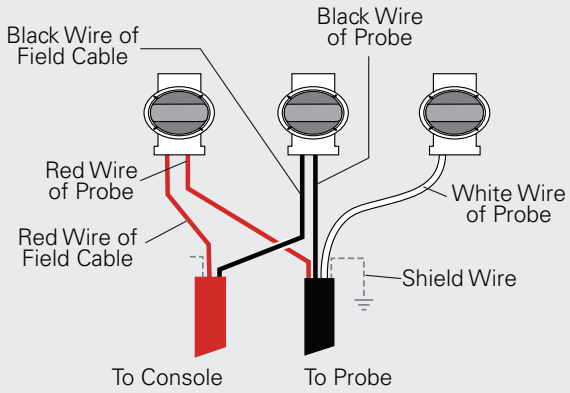
1. Insert 2 red unstripped wires into two separate openings of the first connector.
2. Insert 2 black unstripped wires into two separate openings of the second connector and insert the white wire from the probe cable into the remaining opening of the second connector.
3. Squeeze each connector together using 8" slip-joint pliers.
4. Connect the shield from the probe cable to Ground.

Universal Data Protocol Mode Wiring

This is a digital communication protocol utilized by Franklin Fueling Systems probes and sensors to communicate device specific status, measurement, and error data.

Use this method for the following ATGs:

EVO™ 200, EVO™ 400, EVO™ 550, EVO™ 5000



INSTALLATION

1. Insert 2 red unstripped wires into two separate openings of the first connector.
2. Insert 2 black unstripped wires into two separate openings of the second connector.
3. Insert the white wire from the probe cable into one of the openings of the third connector.

   NOTE: It is important to isolate the white wire even if it is not used. **Do NOT** cut it. Connect it to a separate sealed connector.
4. Squeeze each connector together using 8" slip-joint pliers.
5. Connect the shield from the probe cable to Ground.

franklinfueling.com
3760 Marsh Rd. • Madison, WI 53718, USA
Tel: +1 608 838 8786 • Fax: +1 608 838 6433
Tel: USA & Canada +1 800 225 9787 • Tel: UK +44 (0) 1473 243300
Tel: Mex 001 800 738 7610 • Tel: DE +49 6571 105 308 • Tel: CN +86 10 8565 4566

© 2018 Franklin Fueling Systems, LLC. All Rights Reserved.