

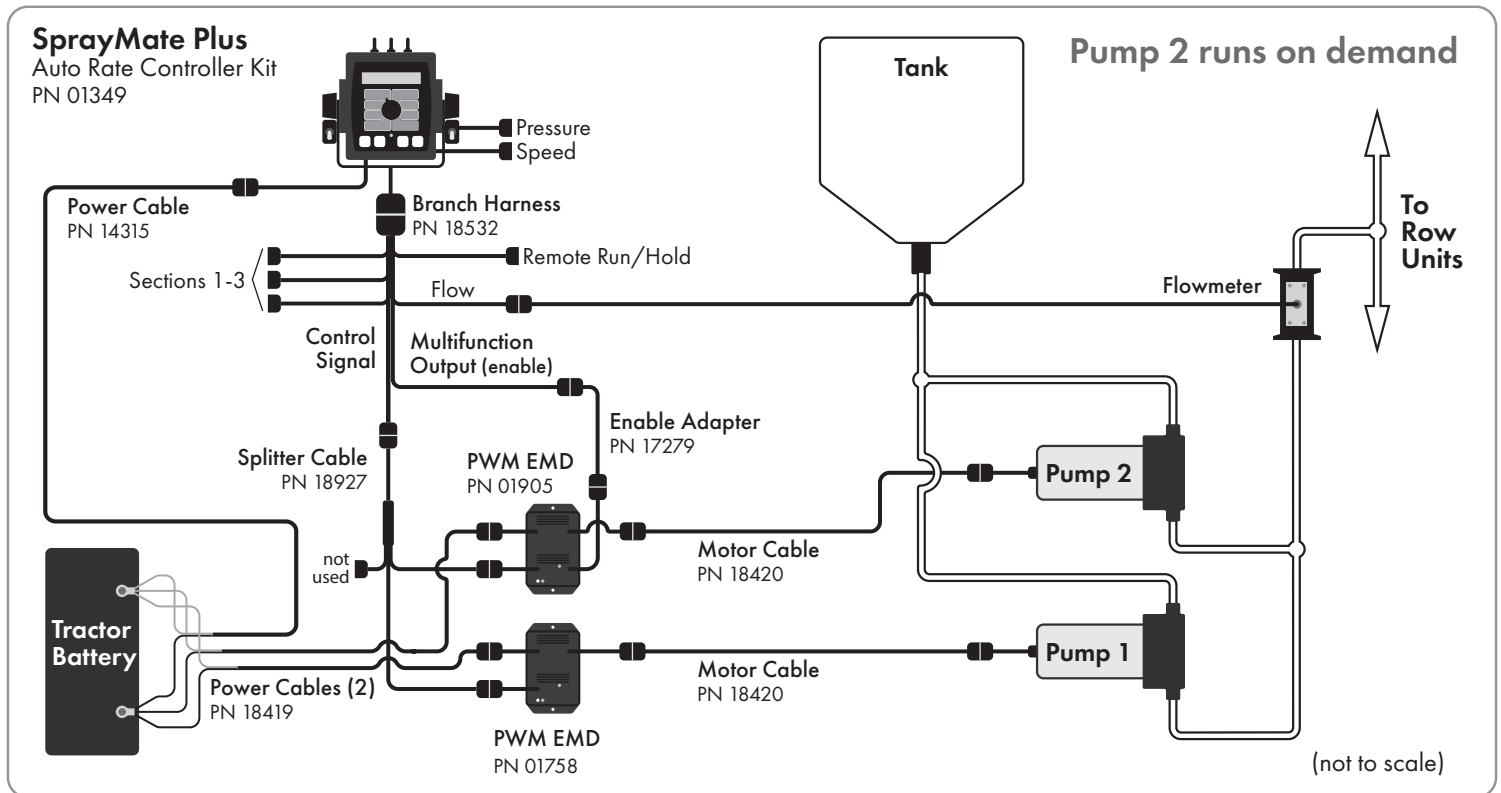
Multifunction Outputs & PWM Electric Motor Drivers (>40A load)



Important Notes:

1. All Micro-Trak Plus Series controllers feature configurable Multifunction Outputs; SprayMate™ Plus has 1, both RateKing™ Plus and RateKing™ Dual Plus controllers have 2 (A & B).
2. In Example 1, the Multifunction Output of the SprayMate™ Plus controller is connected to the Enable connection of the 01905 40A PWM Electric Motor Driver to extend working range. Pump 2 runs on demand.
3. In Example 2 (next page), the Multifunction Outputs of a RateKing™ Plus controller are connected to (2) 01905 40A PWM Electric Motor Drivers. The RateKing™ Plus is available in 3-Section (01878), 5-Section (01881), and 7-section (01893) configurations.

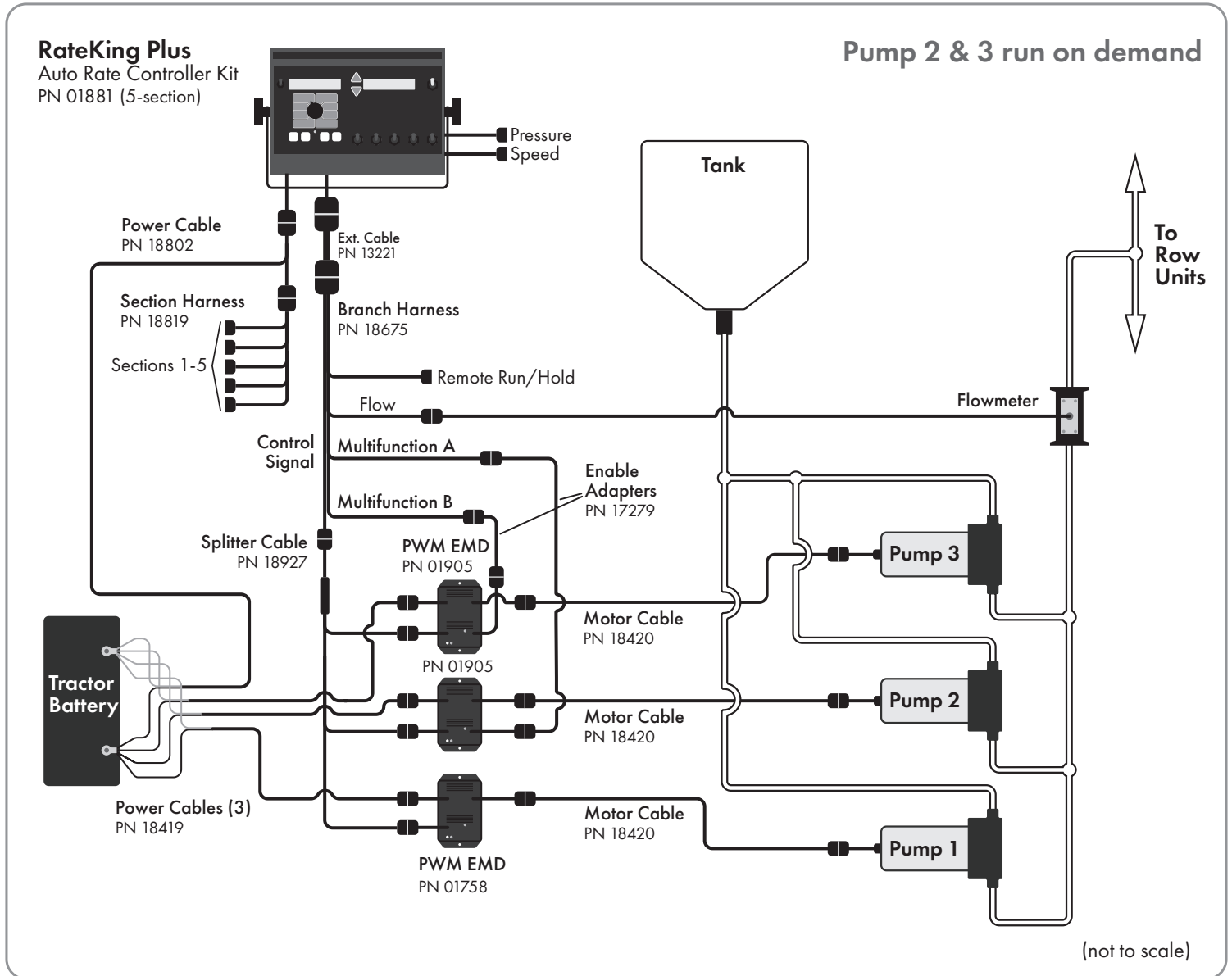
Example 1: Two Pumps (>40A load) / Multifunction PWM Control



Example 1 Parts List:

- (1) 01349 SprayMate™ Plus kit - includes 18532 Branch Harness and 14315 Power Cable
- (1) 01758 40A PWM EMD - incl. 18419 Power Cable, and 18420 Motor Cable
- (1) 01905 40A PWM EMD w/Enable - incl. 17279 Enable Adapter Cable, 18419 Power Cable, and 18420 Motor Cable
- (1) 18927 EMD Splitter Cable
- (1) Flowmeter - choose flowmeter to match system output

Example 2: Three Pumps (>40A load) / Multifunction PWM Control



Example 2 Parts List:

- (1) 01881 RateKing™ Plus kit - incl. 18675 Branch Harness, 18819 Section Harness, and 18802 Power Cable
- (1) 01758 40A PWM EMD - incl. 18419 Power Cable, and 18420 Motor Cable
- (2) 01905 40A PWM EMD w/Enable - incl. 17279 Enable Adapter Cable, 18419 Power Cable, and 18420 Motor Cable
- (1) 18927 EMD Splitter Cable
- (1) Flowmeter - choose flowmeter to match system output

Instructions:

Connect 2 or 3 Electric Pumps with a combined load of more than 40A using PN 18927 PWM EMD Splitter Cable.

1. Attach the 3-Pin connector from PN 18927 to the cable labeled "Control" in the Branch Harness from the controller.
2. The 18927 has three 2-pin connectors. All 3 connections on the 18927 are parallel and can join any of the PWM EMD Modules. If using 2 pumps, join 2 connectors and keep dust cover on the 3rd plug.
3. Attach one 2-pin connector on the 18927 cable to the PWM Input cable on the 01758 EMD Module. This module will drive Pump #1.
4. Attach the second 2-pin connector on the 18927 to the PWM Input on the 01905 EMD Module. This module will drive Pump #2.
5. If using 3 pumps, remove the dust cover from the 3rd 2-pin connector and attach to the second 01905 EMD Module. This module will drive Pump #3.
6. The 01905 EMD Modules have an **enable** connection. Connect the 2-pin plug on the 17279 Adapter Cable to the enable connection on the EMD. Attach the other end to the controller Multifunction Output (Multifunction A if a RateKing controller is used). If using 3 pumps, connect another 17279 Adapter Cable from Multifunction B connection on controller harness to second 01905 EMD module.
7. Refer to the Installation Instructions with the EMD Module or the Controller manual to complete installation.