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

Two Pumps / Multifunction PWM Control

SprayMate Plus
Auto Rate Controller Kit
PN 01349

Power Cable
PN 18419

PWM Adapter
PN 17539

Motor Cable
PN 18420

Relay Module
PN 18928

Flowmeter

Tank

Pump 1
Motor Cable
PN 18420

Pump 2
Motor Cable
PN 18420

Note: Micro-Trak offers a PN 19963 2nd Motor EMD Enable & Power Cable kit - it includes (1) PN 18928 & (1) PN 18420.

Instructions on reverse

Two Pumps / Single EMD PWM Control

SprayMate Plus
Auto Rate Controller Kit
PN 01349

Power Cable
PN 14315

Sections 1-3

Control Signal

Tractor Battery

Power Cable
PN 18419

PWM EMD
PN 01758

PWM Adapter
PN 18422

EMD “Y” Cable
PN 18532

Flowmeter

Tank

Pumps run simultaneously

Pump 1
Motor Cable
PN 18420

Pump 2
Motor Cable
PN 18420

Instructions on reverse
**Instructions: Two Pumps / Multifunction PWM Control**

Connect 2 Electric Pumps to the PN 01758 PWM EMD using PN 19963 2nd Motor EMD Enable & Power Cable kit.

1. Remove PN 18420 Motor Cable from the PN 01758 PWM EMD (will be re-used later).
2. Attach PN 18928 Relay Module. Connect the 3-pin W/P connector to the Multifunction connection on the branch harness of the controller. Connect the 2-pin connection to the EMD Pump Output cable.
3. Attach the PN 18420 Motor Cable (from step 1) to the 2-pin Pump #1 connection on the PN 18928 Relay Module. Then join the PN 18420 to Pump #1.
4. Attach another PN 18420 Motor Cable to the 2-pin Pump #2 connection on the PN 18928 Relay Module. Then join this PN 18420 Motor Cable to Pump #2.
5. Setup the trigger point for Pump #2 control. See Multifunction settings in the Special Calibration settings in the SprayMate Plus manual. Set the Multifunction output to F-FLO (Fixed Flow Trigger). Set the Multifunction Flow Trigger Threshold to the desired value.

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**Instructions: Two Pumps / Single EMD PWM Control**

Connect 2 Electric Pumps to the PN 01758 PWM EMD using PN 18422 EMD “Y” Cable. (An additional PN 18420 Motor Cable is required to complete the system.)

1. Remove PN 18420 Motor Cable from the PN 01758 PWM EMD (will be re-used later).
2. Attach PN 18422 EMD “Y” Cable to Pump Output on PN 01758 PWM EMD.
3. Attach the PN 18420 Motor Cable (from step 1) to PN 18422 EMD “Y” Cable. Then join the PN 18420 Motor Cable to Pump #1.
4. Attach another PN 18420 Motor Cable to the remaining connection on the PN 18422 EMD “Y” Cable. Then join this PN 18420 Motor Cable to Pump #2.