



TECH NOTE:	10-011 (Cable # JP-1011)
TITLE:	SS Rx Control (PW & AI) of single valve
DATE:	11/11/10
REVISION:	1.0

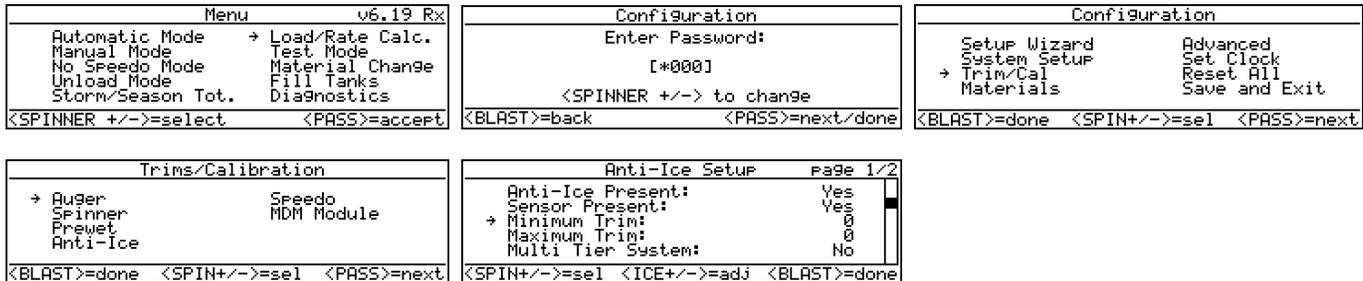
Overview: This document describes the method and cabling necessary to allow control of a single hydraulic valve (that drives a liquid pump) with either the Per-wet or the Anti-ice control channel on the *SpreadSmart Rx*™.

Background: for trucks with installed hydraulic valves and the intent to create an additional liquid flow capability, a diverter valve can be installed downstream of the liquid pump to send from the existing pre-wet plumbing to another plumbing channel for anti-ice or other spraying applications. By adding a shared wiring harness for the hydraulic valve, the *SpreadSmart Rx*™ will allow the user to control his “pre-wet” valve either with the Pre-Wet channel or the Anti-Ice channel, without changing the setup menu.

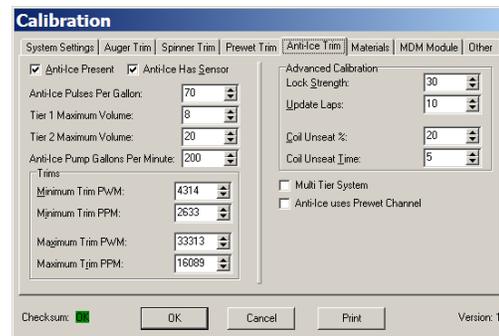
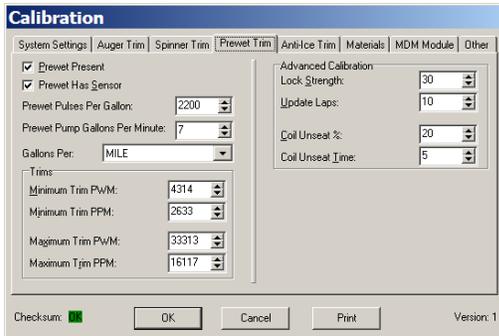
Caution: When turned on, both control channels are active simultaneously. Use of this cable allows one valve to be actively triggered by either the pre-wet or the anti-ice control section. Only one section should be powered on at a time.

Installation and Set Up for an existing SpreadSmart Rx™ system:

- 1) Install “Hydraulic Y” cable JP-1011 into the TS-2018 valve junction box. Attach one end to the pre-wet (J3) and one to the anti-ice (J4) plugs.
- 2) Attach the existing pre-wet pigtail to the female end of the JP-1011; Leave opposite end attached to the solenoid on the pre-wet valve.
- 3) Enable the Anti-Ice section of the *SpreadSmart Rx*™ and set the trim values at the same level as those created for the pre-wet channel;
 - a. No need to run automatic trim steps since it is assumed that the pre-wet section has already been trimmed, but the trim values in the AI section must match those in the pre-wet section.
 - b. From the menu screen, hold the auger and pre-wet toggles down together to enter the configuration screen.



c) Shortcut: Minimum and maximum trim and pwm values can be entered manually by downloading the existing cal file and matching the pre-wet settings and AI settings. Upload new settings to the SS Rx.



Caution: for safety reasons, only one control channel (either pre-wet or anti-ice) should be powered on at a time. Use the power switch on the keypad to disable the channel not in use.