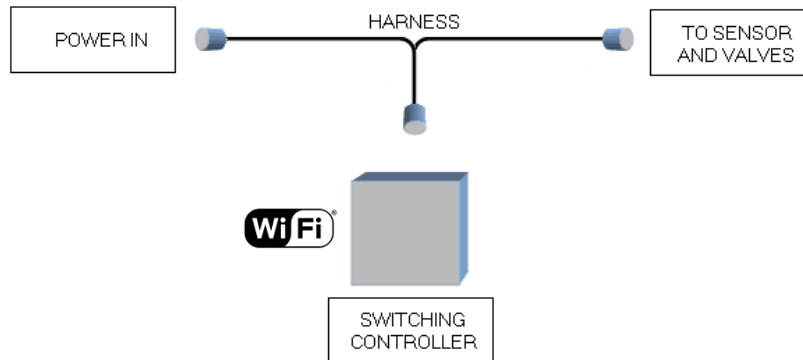


## RATEX BOOM LINE SWITCHING CONTROLLER

### KIT COMPONENTS

- Controller
- Wiring harness

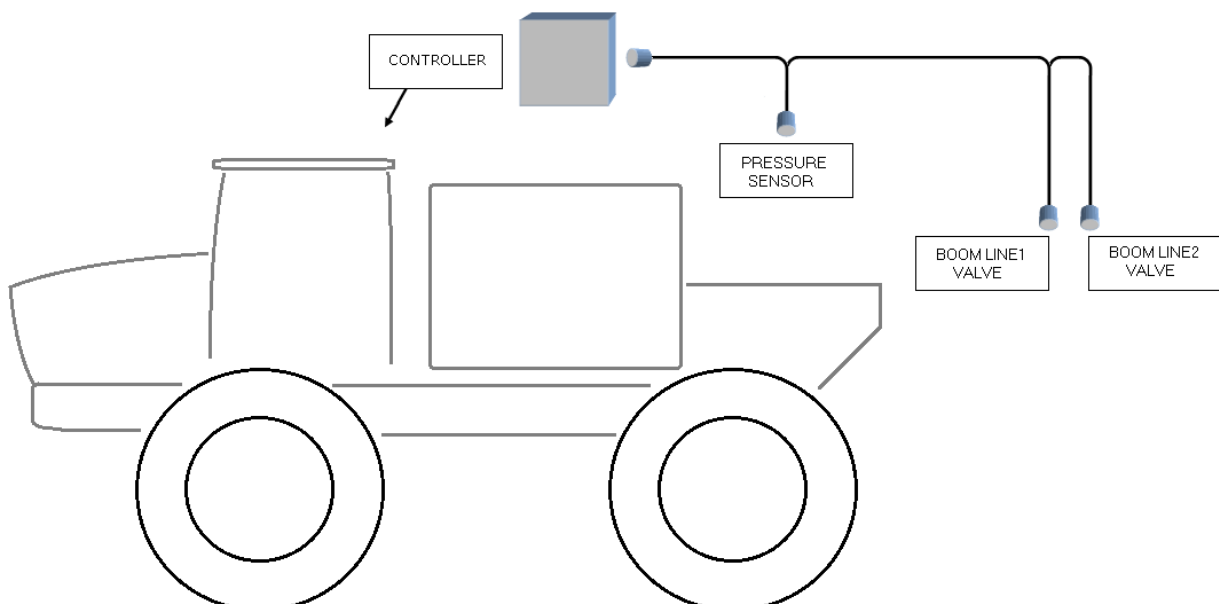


### OVERVIEW

- The controller monitors the main line spray pressure
- Boom lines are switched on/off according to preset pressure ranges
- Uses separate working pressure ranges for each Tier
- Any line choices can be selected for each Tier
- It can operate as 1 or 2 or 3 Tier system
- This unit handles line switching only, does not handle rate or section control
- It functions normally with or without a tablet/phone

### INSTALLATION

- Basic installation layout shown below
- Kit is supplied with short breakout harness only
- A harness from the end of the breakouts to the valves and sensor must be constructed
- See additional schematic for details
- The existing pressure sensor may be used or new independent sensor fitted
- Sensor signal output must be 0 to 5 volts
- Do not connect the 5 volt supply wire if you are tapping into the existing sensor



## SETUP

The controller has an internal WIFI webserver. You can use any phone/tablet/laptop to setup the controller.

- Tractor key on
- Search for WIFI hotspots on your mobile device
- Connect to the WIFI point called MACHINE WIFI
- Open your web browser and access the website <http://machine.wifi> or address 192.168.50.50
- Follow the instructions on the screen

## OPERATION

- The phone/tablet/laptop does not need to be connected for normal operation
- The RUN page shows normal operating information
- The green bar above each Tier shows when the pressure is in the correct range
- The bar will move up if the pressure is too high, then it will switch up one Tier
- The bar will move down if the pressure is too low, then it will switch down one Tier
- Controller LED flashing sequence, red = booting up, green = ready, flashing green = lines on
- The LOCK buttons will lock in the selected Tier
- To unlock that Tier, tap the LOCK button again
- Tier mode OFF will disable the Tier switching, and turn off the lines
- The MANUAL buttons or optional cab switches can be used any time to force the lines on

The screenshot displays the i4M MACHINE CONTROL interface. At the top, there are four navigation buttons: HOME, RUN, CHECKS, and SETTINGS. Below these, the interface is divided into several sections:

- SPRAY PRESSURE:** A semi-circular gauge showing a green segment on the left and a grey segment on the right. The needle points to 4.6 bar.
- BOOM LINE 1 and BOOM LINE 2:** Two sections, each with a green triangle pointing up and a 'MANUAL' button below it.
- TIER MODE:** A horizontal bar with four segments: OFF, TIER 1 (highlighted in green), TIER 2, and TIER 3. Below each segment is a 'LOCK' button.

MANUAL buttons will force the boom line ON. LOCK buttons will lock the selected TIER mode. To unlock the mode, tap the button again. LOCK buttons can also be used to jump to a different TIER.

i4M MACHINE CONTROL

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