



TOTAL SPRAY CONTROL

SPRAY CONTROL 74V1



NEW
7000 SERIES



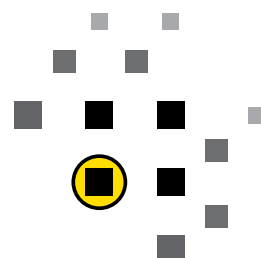
Industrial German design



Software built from the ground up



Purpose built hardware



Another Australian made & designed product

MODERN RELIABLE EFFICIENT

74V1
7000 SERIES

SPRAY CONTROL 74V1

Up and down hills or through boggy conditions, the 74V1 spray controller compensates for changes in speed, pump pressure or section shutdown to maintain the target rate you select. The 74V1 can simultaneously manage multiple tanks with individual rates & by adding a GPS, the Auto Boom Switching (ABS) function is activated to reduce waste & overlap on individual sections.



**Innovative software & robust ,
reliable hardware make this a
formidable & versatile product**



Flexibility in the field

For heavy and light weed patches, you can increase or decrease rates on-the-go and an OPTIONAL master switch box gives instant stop/start control at headlands or when refilling. With the ability to handle multiple tanks and multiple rates at the same time the 74V1 is a truly flexible unit that can stand up to any challenge in the field.

The 74V1 is up to the challenge

- Clever status indicators tell the operator at a glance when the sprayer is operating 100% on target. In the event of any change, a red visual and audible alarm is activated.
- The on screen prompts assists the operator with simple instructions when calibrating, displays warning messages and provides advice on corrective action.
- In consideration of quality assurance demands, spray records for virtually unlimited trips are maintained with time/date stamping. An export function is also available
- Set-up and calibration options can be locked out to avoid unauthorised tampering.

In future software updates the 74V1 spray controller will have the ability for auto boom switching, coverage mapping and live reporting. (Additional hardware is required). The 74V1 will also have the ability to load application shape files for Variable Rate Control (VRC) spraying.



multiple language
support



data logging
built in



optional
switch box

Advanced FEATURES 74V1



User defined tab & tile display format

- You can choose any 4 or 6 tile main display options & upto 3 tabs (pages), so the information you need can be viewed without pressing buttons.

Second sprayline feature

- The optional second sprayline is activated automatically when the first sprayline reaches maximum pressure.

The benefits of second sprayline have been proven in the field. Operators can:

- Work faster when conditions allow
- Change rates without changing nozzle size
- Get better weed kill through better coverage
- Reduce drift with lower spray pressures

Slow hold

- When slowing at headlands or around obstacles, the slow hold facility avoids pressure drop and loss of spray coverage by automatically holding the control valve at a minimum operating pressure.

Multi-step control

- A system that works with different size nozzles in each sprayline.

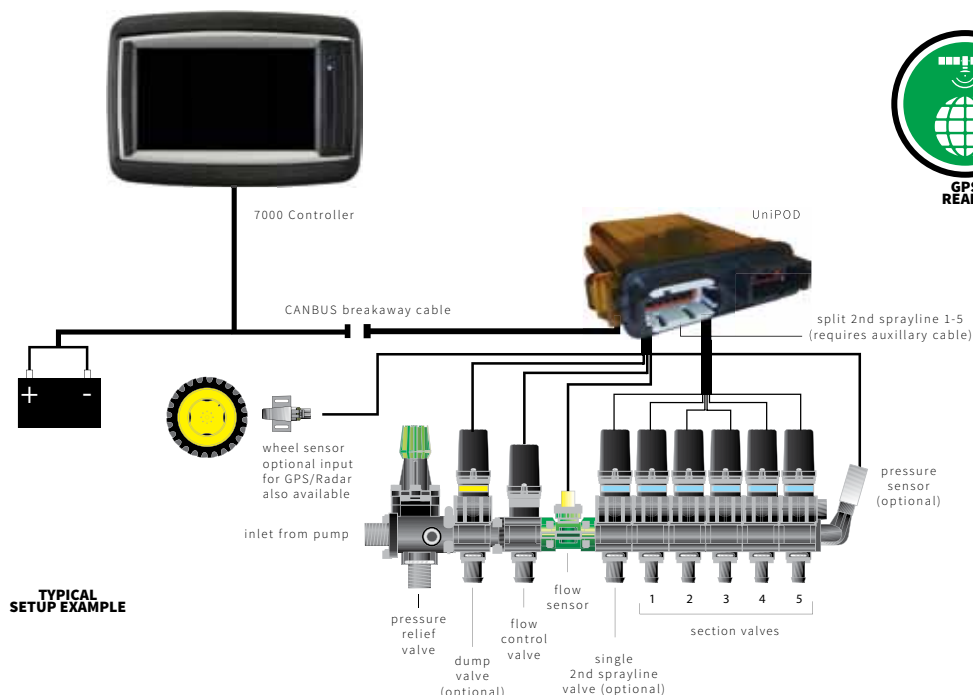
The controller automatically selects first, second or both spraylines to maintain the best working pressure.

This results in smoother transition from one line to the other and even greater flexibility in rates and working speeds.

Control options

- The standard spray controller 74V1 kit can be supplied with a 3 or 5 section control bank including pressure relief valve (PRV), proportional flow control valve, precision flow sensor and motorised section control valves to suit boom sprayers and low volume horticultural sprayers.
- An optional dump valve is available to divert pump delivery back to the tank whenever the master switch or section valves are switched off. (This is highly recommended if using a diaphragm pump)

- A second sprayline can be set up as a single section or split sections using multiple section valves.
- The optional pressure sensor is available to provide a pressure read-out and pressure-based control of the slow hold and second sprayline functions.
- The controller will accept radar, magnetic wheel sensor (standard) or GPS speed sensor.
- Alternative control valves and sensors are available for high volume airblast and ultra low volume applications.



a bit about us

Since 1976 Farmscan Ag has developed, acquired and employed industry leading technologies, innovations and innovators to assist farmers to become the world's most efficient producers. We provide a complete range of electronics to steer, map, monitor and control spraying, spreading, planting and harvesting machinery.

A single UniPOD could be used to monitor pressure and control 12 Spray Sections, or 8 Spray sections plus dump and line valves and a bidirectional control valve.

To add more sensor inputs, sections or control valves, simply add one or more UniPODs to the CANBUS.

PIN	FUNCTION	PIN EXAMPLE	PIN	FUNCTION	PIN EXAMPLE
A1	GND	GND	B1	I/O 1 / PWM / Current / Volt	Flow Valve +
A2	GND	GND	B2	I/O 2 / PWM / Current / Volt	Flow Valve -
A3	+12V In	+12V In / (Pressure Sens +12V)	B3	I/O 3 / PWM / Current / Volt	Valve 1
A4	+12V In	+12V In / (Pressure Sens +12V)	B4	I/O 4 / PWM / Current / Volt	Valve 2
A5	CAN+	CAN+	B5	I/O 5 / PWM / Current / Volt	Valve 3
A6	CAN-	CAN-	B6	I/O 6 / PWM / Current / Volt	Valve 4
A7	Sensor GND	Liquid Pressure Sensor GND	B7	I/O 7 / PWM / Current / Volt	Valve 5
A8	Sensor +5V Out		B8	I/O 8 / PWM / Current / Volt	Valve 6
A9	A/D 1 (0-5V)	Liquid Pressure Sensor (A/D)	B9	I/O 9 / A/D (0-30V)	Valve 7
A10	A/D 2 (0-5V)		B10	I/O 10 / A/D (0-30V)	Valve 8
A11	In 1 / Frequency / A/D (0-5V)	Flow Sensor	B11	I/O 11 / A/D (0-30V)	Valve 9 / Dump Valve
A12	In 1 / Frequency / A/D (0-5V)	Dump Run Switch	B12	I/O 12 / A/D (0-30V)	Valve 10 / Line2 Valve

Specifications are subject to change without notice

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Proudly Australian owned & operated



Technical Specifications

- Opus A3e Terminal
- 142 W x 98 H x 49 D mm
- 4.3", 16:9 Display
- 400cd/m²
- Operating -30°C to 75°C
- Protection IP67 & IP95
- Embedded Linux®