

DynaJet® IC7140

Main Setup -> Machine Setup

Description	Factory Default	Range/Options	Suggested Setting	Use Default
Nozzle Spacing	50 cm / 20 in	1 - 2,000 cm / 1 - 787 in		<input type="checkbox"/>
Pressure Sensor Maximum	10 bar / 145 psi	5.00 - 30.00 bar / 73 - 435 psi		<input type="checkbox"/>
Minimum Duty Cycle	30%	20% - 40%		<input type="checkbox"/>
Control Hold Delay	1.0 seconds	0.0 - 10.0 seconds		<input type="checkbox"/>
Gain Preset	Preset 1	<ul style="list-style-type: none"> • Preset 1 • Preset 2 • Preset 3 • Preset 4 • Preset 5 		
Number of Sections				
with one (1) BIM	0	1 - 15		<input type="checkbox"/>
with two (2) BIMs	0	1 - 30		<input type="checkbox"/>
with Individual Nozzle Shutoff Unlocked	0	1 - 240		<input type="checkbox"/>
Nozzles per Section	0	1 - 240		<input type="checkbox"/>

Main Setup -> Gain Preset Setup

Preset	Description	Factory Default	Range/Options	Suggested Setting	Use Default
#1	Proportional Gain	4	1 - 30		<input type="checkbox"/>
	Derivative Gain	6	0 - 20		<input type="checkbox"/>
#2	Proportional Gain	4	1 - 30		<input type="checkbox"/>
	Derivative Gain	6	0 - 20		<input type="checkbox"/>
#3	Proportional Gain	4	1 - 30		<input type="checkbox"/>
	Derivative Gain	6	0 - 20		<input type="checkbox"/>
#4	Proportional Gain	4	1 - 30		<input type="checkbox"/>
	Derivative Gain	6	0 - 20		<input type="checkbox"/>
#5	Proportional Gain	4	1 - 30		<input type="checkbox"/>
	Derivative Gain	6	0 - 20		<input type="checkbox"/>

Main Setup -> User Interface

Description	Factory Default	Range/Options	Suggested Setting	Use Default
Use Preferred UT	Off	<ul style="list-style-type: none"> • Off • On 		<input type="checkbox"/>
Boom Section Beep	Off	<ul style="list-style-type: none"> • Off • On 		<input type="checkbox"/>
Turn Compensation Visual	On	<ul style="list-style-type: none"> • Off • On 		<input type="checkbox"/>

Unlock Options

Description	Unlock Code
Standard Turn Compensation	
Advanced Turn Compensation	
Individual Nozzle Shutoff	
Variable Rate (VRA)	

Nozzle Favourites

Preset	Specific Nozzle	Nozzle Series	Nozzle Capacity
#1			
#2			
#3			
#4			
#5			

Notes

Main Setup -> OEM Settings

Description	Factory Default	Range/Options	Suggested Setting	Use Default
PWM Frequency	20 Hz	5 - 25 Hz		<input type="checkbox"/>
On Pulse Duration	38 counts	0 - 128		<input type="checkbox"/>
Hold Current Frequency Adjustment	10 counts	5 - 20		<input type="checkbox"/>
Hold Current Duty Cycle	5 counts	0 - 20		<input type="checkbox"/>
Phase Offset	128 counts	0 - 255		<input type="checkbox"/>
Jump Point	0.35 bar / 5 psi	0.00 - 2.11 bar / 0 - 31 psi		<input type="checkbox"/>
Maximum Duty Cycle	92%	70% - 100%		<input type="checkbox"/>
PWM Off Time	20	0 - 100		<input type="checkbox"/>
Low Voltage Limit	11.0V	0.0 - 20.0V		<input type="checkbox"/>
High Voltage Limit	15.0V	0.0 - 20.0V		<input type="checkbox"/>
Low Amps Limit	0.4A	0.0 - 20.0A		<input type="checkbox"/>
High Amps Limit	1.2A	0.0 - 20.0A		<input type="checkbox"/>
High Pressure Alarm	6.0 bar / 87 psi	4.0 - 25.0 bar / 58 – 363 psi		<input type="checkbox"/>
Droplet Size Damping	0.10	0.01 - 0.99		<input type="checkbox"/>
ECU Orientation	Horizontal, Label Up	<ul style="list-style-type: none"> • Horizontal, Label Up • Horizontal, Label Down • Vertical, Connectors Up • Vertical, Connectors Down • Vertical, Left Edge Up • Vertical, Right Edge Up 		<input type="checkbox"/>
Regulation Base	Pressure Based	<ul style="list-style-type: none"> • Pressure Based • Flow Based 		<input type="checkbox"/>
Solenoid Error State	All Open	<ul style="list-style-type: none"> • All Open • All Closed 		<input type="checkbox"/>
Solenoid Disengage State	All Open	<ul style="list-style-type: none"> • All Open • All Closed 		<input type="checkbox"/>

