

## DCS 400 De-Ice Spray Control Systems Provides 3-Section Liquid Spray Bar Control, or Granular Spreader Control



DCS400

- Anti-Ice and Dust Control on Roads
- Right-Of-Way
- Airport Ice Control



**DCS 400** is designed to accurately control the application rate of liquid de-icing agents to all types of pavements, runways, bridge decks, etc. The system can also be used for controlling the application rate of liquid dust control or for granular spreader control.

Up to six different application rates can be programmed into the DCS 400. The application rate dial can then be set to any one of the six pre-programmed rates for rapid rate control changes. A manual switch on the console allows the operator to override the pre-programmed application rate by increasing or decreasing the rate at any time.

The **DCS 400** features a "Blast" button which, when pressed, sends a higher rate blast for as long as the operator holds the button. Also, a timed blast can be added to the blast cycle once the blast button is released. This gives the operator both manual and timed blast capability.

*Rates can be displayed in either gallons per lane mile or gallons per thousand square feet.*

Part No.	Description
RV DCS400	DCS 400 Control Console.....
RV 115-0159-955	10' Product Cable with Weatherpack Connectors .....
RV 115-0159-971	31' Console Cable with Weatherpack Connectors (Use with DCS400) .....
RV 063-0173-163	Hydraulic Fast Regulating Valve, 0-16 GPM (Use with DCS400) .....
RV 063-0172-177	2" S.S. Regulating Valve (Use with Engine-Drive Pumps)
RV RFM100	RFM 100 Flow Meter - 2" NPT/Fing.....

## Other DCS De-Ice Control System Components

- Flow Meters:** Turbine Type, .3 to 400 GPM ranges, rated 90 to 300 PSI
- Valves:** 1/4" to 3" ball or butterfly type, polypropylene or stainless steel material, rated 150 to 300 PSI.
- Hydraulic Valves:** 3 to 30 GPM hydraulic valves; adjustable and fast acting.
- Speed Sensors:** Speedometer, radar, and GPS sensors.

## RoadMaster™ Automatic Rate Control System

### Multi-Purpose Automatic Rate Control System With A Wide Range of Applications

The **RoadMaster™** is a multi-purpose automatic rate control system with a wide range of applications. Ground speed oriented so it keeps you on rate regardless of speed changes. Programmable with up to 3 different application rates; also allows for "on the fly" rate changes. Includes (3) Lane Switches (*left, center & right*) so you can spray single or multiple lanes while staying on rate. Highway maintenance uses include: liquid de-icer and anti-icers, roadside spray products, and dust control agents. Also ideal for turf maintenance applications of herbicides, fungicides, insecticides and fertilizer. Raise your profitability and success by maintaining precise application rates of these valuable products.

Main Kits (*01590 and 01591*) include Complete Controller with mounting bracket, 15' power harness, 25' main harness. Works with a wide variety of *Micro-Trak* flow meters, control (*regulating*) valves and speed sensors (*common ones used for De-icing/Anti-icing shown below*). Available in standard or PWM (*Pulse Width Modulation*) versions.

**The RoadMaster Advantage**

- FOUR OPERATING MODES** (Lane, Agricultural, Dust Control & Turf)
  - In English or Metric units provide ease of use for various applications, including highway maintenance, roadside spraying dust control, airport maintenance or turf maintenance.
- SELECTABLE SERVO DRIVE OPTION**
  - Standard +/- DC Servo or Pulse Width Modulation (PWM).
- BUILT-IN VRA/AVL COMMUNICATIONS**
  - Variable Rate Application capability allows rate control or data logging via external device.
- EXTENSIVE DOWNLOADABLE DATA LIST**
  - Three Data Sets include Volume, Area, Distance, Average/Highest velocity PLUS Start Time/Date Stamps
- BLAST SWITCH**
  - Allows pre-settable, high-rate timed application of product on bridge decks, intersections, etc. Blast can also be initiated optional external switch or optional wireless remote.
- KEYLOCK SWITCH**
  - Supervisor lockout switch prevents unauthorized changes to calibration settings or data counters.
- BUILT-IN ALARM MESSAGES**
  - Flash on display if speed or flow signal is lost or tank level is low.
- BUILT-IN AUDIBLE ALARM**
  - Alerts operator to rate errors +/- 10%, Low Tank Level or Empty Tank (if using Optional Tank Switch).
- EMERGENCY STOP**
  - Automatically shuts down automatic operation if flow signal is lost.

Part No.	Description
MT 01590	RoadMaster Kit, Standard Control .....
MT 01591	RoadMaster Kit, PWM Control .....
MT 01864	15 GPM Hydraulic Control Valve, PWM (Includes Adapter Cable)
MT 01425	Astro 5 GPS Speed Sensor, 5 HZ .....
MT 01511	2" Poly Flow Meter, Flanged, 19-198 GPM .....
MT 14317	15' Extension Cable.....

www.dultmeier.com

**We now have our Catalogs as well as Parts Schematics online!**

**I Went Online & Checked Out the Inventory!**

*"Ordered items online. Requested items to be shipped USPS. Dultmeier had no issues doing this for me. Got items relatively fast, considering I live in Hawaii.*

*I have used Dultmeier before and since then have used them several times with no issues. I am sure to do business with them in the future. Keep up the good work."*

**Craig**