



DS-1/R Remote Mount Controller
(shown with optional DC-4 operator module)

schenckAccuRate



DISOCONT® "DS-SERIES"
Controllers

DISOCONT® "DS-SERIES" Integrated Controllers

DISOCONT® "DS-SERIES" Controllers are standard pre-configured gravimetric control packages designed specifically for applications involving a single Loss-in-Weight (continuous) feeder, Loss-of-Weight/Gain-in-Weight (batching) feeder, Weighfeeder or Mass Flow Meter. "DS-SERIES" Controllers combine a DISOCONT® System Module with AC or DC motor controls, analog and digital I/O along with feed device specific software in NEMA 4 and 4X Type enclosures, forming complete "Mechatronic" or wall-mount gravimetric controllers. Connect source power and communications if applicable and you're ready to go with near "plug & play" functionality. The DISOCONT® is a Rockwell Automation Encompass Program referenced product.



DS-1/M Mechatronic Controller

"DS-1/R" REMOTE MOUNT GRAVIMETRIC FEEDER CONTROLLER

The DISOCONT® "DS-1/R" is a single device remote (wall) mounted gravimetric controller. A DISOCONT® "DC-1" System Module, variable frequency motor drive, and optional "DC-4" Operator Module are supplied mounted and pre-wired in a NEMA 4 enclosure. UL, CUL, and CE certifications are supported.

"DS-1/M" MECHATRONIC GRAVIMETRIC FEEDER CONTROLLER

A single feeder gravimetric controller configured specifically for MECHATRON® feeders. A DISOCONT® "DC-1" System Module and variable frequency motor drive are mounted directly in the MECHATRON® feeder's support frame. All components including MECHATRON®'s load cells are pre-wired for this configuration. Only power and field communications (if applicable) are required to complete installation.

DS-1/R and DS-1/M Controller Specifications:

Control Software:	Loss-in-Weight (continuous) or Loss-of-Weight/Gain-in-Weight (batching).
Software Storage:	Flash EPROM.
Parameter Storage:	Removable non-volatile Memory Card.
Load Cell:	Up to (4) summed at 350 ohms.
Analog Output:	(1) 4 - 20mA Isolated – used for feeder speed control.
Digital Input:	(2) 24 VDC dry contact (1 = ack events, 1 = remote start/stop).
Digital Output:	(3) 24 - 230 VAC (1 = refill control, 1 = alarm output), 24 VDC (1 = drive running).
Communications Port:	RS232 (EasyServe port).
Feeder Motor Control:	(1) Variable frequency drive (optional dual drive available).
Control Enclosure Rating:	DS-1/R = NEMA 4. DS-1/M = NEMA 4X Type. See drawings on reverse side.
Electrical Service:	230 VAC / 1 PH / 60 Hz; 230 VAC / 3 PH / 60 Hz; 460 VAC / 3 PH / 60 Hz.
Set-up and Diagnostics:	Windows 95, 98, 2000, XP, and NT compatible "Easy Serve" Tools (software CD and cable).

"DS-1/R" and "DS-1/M" Options:

#1 Fieldbus Communications:	DC-5 Profibus DP, DC-6 DeviceNet, DC-7 Modbus, DC-8 Modbus-TCP, DC-10 Ethernet/IP.
#2 DC-2 VEA I/O Expansion Module:	Use when 4-20mA input and output is required. See DISOCONT® "DC-Series" Data Sheet for further details.
#3 DC-4 VLB Operator Control Module:	Use when local, stand-alone control is required. See DISOCONT® "DC-Series" Data Sheet for further details.
#4 CE Certification:	CE Approved Circuit Breakers, Line Filters, Grounding, and Labeling is available as an option.
#5 UL/CUL Certification:	Standard
#6 NEMA 4X Enclosure:	Optional for DS-1/R.

For more information, please contact us at 1-800-558-0184 or Fax: 262-473-4384
E-mail: mktg@accuratefeeders.com Web site: www.accuratefeeders.com

Schenck AccuRate is a unit of Schenck Process

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Specifications

we make processes work

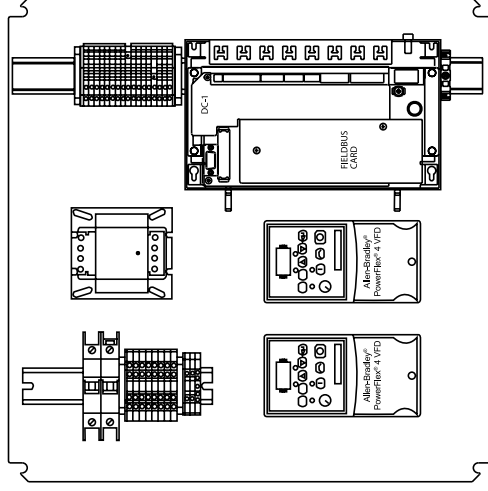
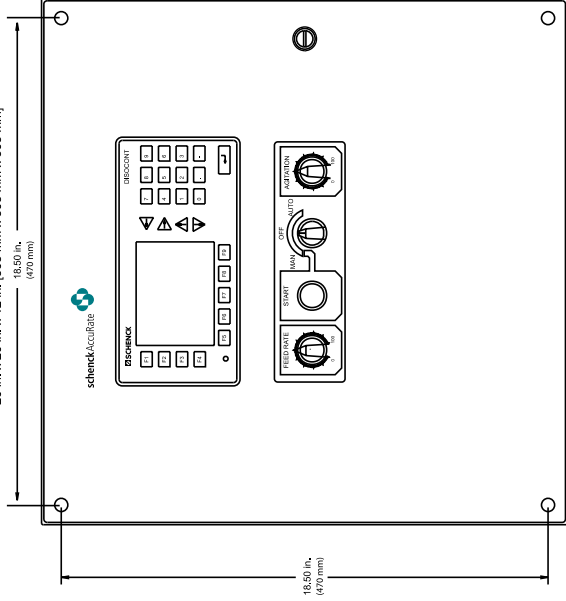
Specifications

DISOCONT® "DS-SERIES" Controllers

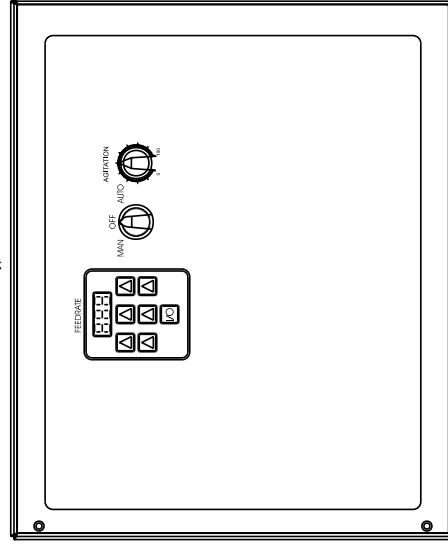
DS-1/R MECHATRON®
Remote Mount Controller
(shown with optional
DC-4 operator module)

NEMA 4 – Standard (4X Optional)

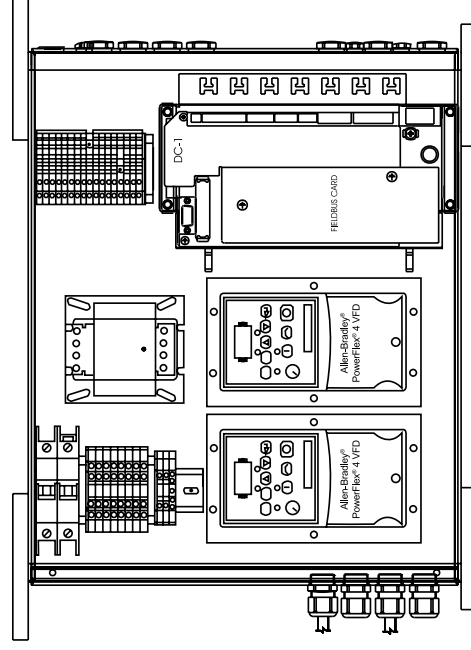
ENCLOSURE SIZE
20 in. x 20 in. x 12 in. [508 mm x 508 mm x 305 mm]



NEMA 4X Type Enclosure



DS-1/M MECHATRON®
Controller



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registered trademark of
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