

DIN-Rail Mounted Power Supplies



DR Series 1.3 to 40 Amps

Acme's new flagship line of DR Series DC power supplies are an innovative solution to a vast array of control applications. Designed to provide optimal performance with a minimal impact on installation time and space.

Available in single and three phase models, from 1.3 to 40 Amps (31-960 watts) these new power supplies provide the convenience of DIN-rail mounting up to 10 Amp for a toolless installation and the versatility of a standard auto-ranging input to cover the most applications with the fewest models. The slim "book" profile greatly reduces the amount of space taken up on the DIN-rail and within the overall control cabinet. The fully enclosed design is touch proof and CE compliant to meet international specifications and meet the Power Factor Correction requirements of EN61000-3-2. All units are UL 508 listed and can be used at full-rated power.

Solution Ease

The DR families auto-ranging input feature provides you the versatility of using one power supply to address input voltages from 90-265 volts for single phase applications and 360-550 on three phase applications automatically—no adjustments required during installation.

Space Saving

All the Acme Electric "DR Series" power supplies have been designed in a compact, slim book profile package compatible with other modules mounted in the control panel.

Installation Made Easy

All housings up to 10 Amps conveniently snap onto standard 35 mm DIN-rail assuring permanent mounting without the use of any tools. The 20 and 40 Amp housings are provided with keyholes for mounting directly to the back panel for easy installation while still benefiting from the slim book profile for maximum use of space.

FEATURES

- Fully enclosed, low profile design
- Touchsafe
- Reduced installation time
- Pluggable connections
- Fast, easy wiring connections
- Simplifies troubleshooting effort
- DIN-rail Mounted
- Mounts on standard DIN-rail
- No tools required
- Local output indication
- Primary switching technology
- Two-year limited warranty



INDUSTRIES

- Automotive
- Machine tool
- Material handling
- Packaging
- Food processing
- Panel builders
- Automation

APPLICATIONS

- Programmable Logic Controllers
- CNC Equipment
- Microprocessor Circuits
- Digital and Analog Instrumentation
- Industrial Control Applications



SELECTION GUIDES

SINGLE PHASE

Catalog No.	Amp Rating	Voltage Range AC	Voltage Range DC	Frequency	Output Voltage	Mtbf (Life)	Efficiency	UL/CUL	CE
DR1-24013	1.3	94-264	-	50/60 Hz	24 VDC	> 17 years	89% typ.	YES	YES
DR1-24025	2.5	90-265	110-300	50/60 Hz	24 VDC (24-28 adj)	> 17 years	85% typ.	YES	YES
DR1-2405	5	90-265	90-300	50/60 Hz	24 VDC (24-28 adj)	> 17 years	88% typ.	YES	YES
DR1-2410	10	90-265	90-300	50/60 Hz	24 VDC (24-28 adj)	> 17 years	88% typ.	YES	YES
DR1-2420	20	90-265	90-300	50/60 Hz	24 VDC (24-28 adj)	> 17 years	88% typ.	YES	YES

THREE PHASE

Catalog No.	Amp Rating	Voltage Range AC	Voltage Range DC	Frequency	Output Voltage	Mtbf (Life)	Efficiency	UL/CUL	CE
DR3-2405	5	3x360-550	-	50/60 Hz	24 VDC (24-28 adj)	> 17 years	90% typ.	YES	YES
DR3-2410	10	3x360-550	-	50/60 Hz	24 VDC (24-28 adj)	> 17 years	90% typ.	YES	YES
DR3-2420	20	3x360-550	-	50/60 Hz	24 VDC (24-28 adj)	> 17 years	90% typ.	YES	YES
DR3-2440	40	3x360-550	-	50/60 Hz	24 VDC (24-28 adj)	> 17 years	91% typ.	YES	YES

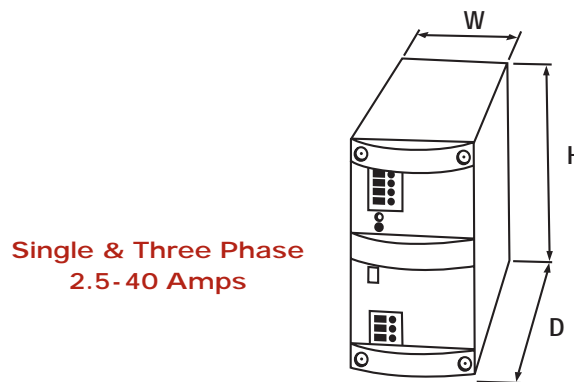
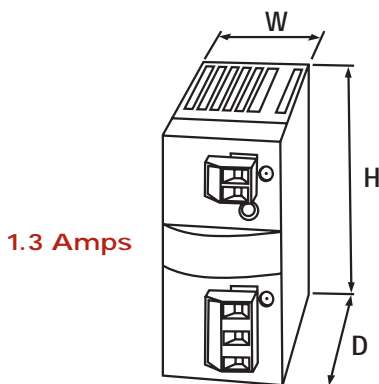
SINGLE PHASE

Catalog No.	APPROX. DIMENSIONS INCHES (Cm)			WEIGHT LBS (Kg)
	H	D	W	
DR1-24013	2.99 (7.6)	2.91 (7.4)	1.50 (3.8)	0.33 (0.1)
DR1-24025	4.23 (10.7)	3.84 (9.7)	1.65 (4.2)	0.99 (0.4)
DR1-2405	4.53 (11.5)	5.94 (15.1)	2.13 (5.4)	1.65 (0.7)
DR1-2410	5.00 (12.7)	8.03 (20.4)	2.68 (6.8)	3.31 (1.5)
DR1-2420	8.23 (20.9)	9.17 (23.3)	3.31 (8.4)	5.95 (2.7)

THREE PHASE

Catalog No.	APPROX. DIMENSIONS INCHES (Cm)			WEIGHT LBS (Kg)
	H	D	W	
DR3-2405	5.00 (12.7)	7.01 (17.8)	2.68 (6.8)	2.87 (1.3)
DR3-2410	5.00 (12.7)	7.01 (17.8)	2.68 (6.8)	2.87 (1.3)
DR3-2420	8.23 (20.9)	8.94 (22.7)	3.31 (8.4)	5.07 (2.3)
DR3-2440	9.53 (24.2)	10.63 (27.0)	4.17 (10.6)	9.92 (4.5)

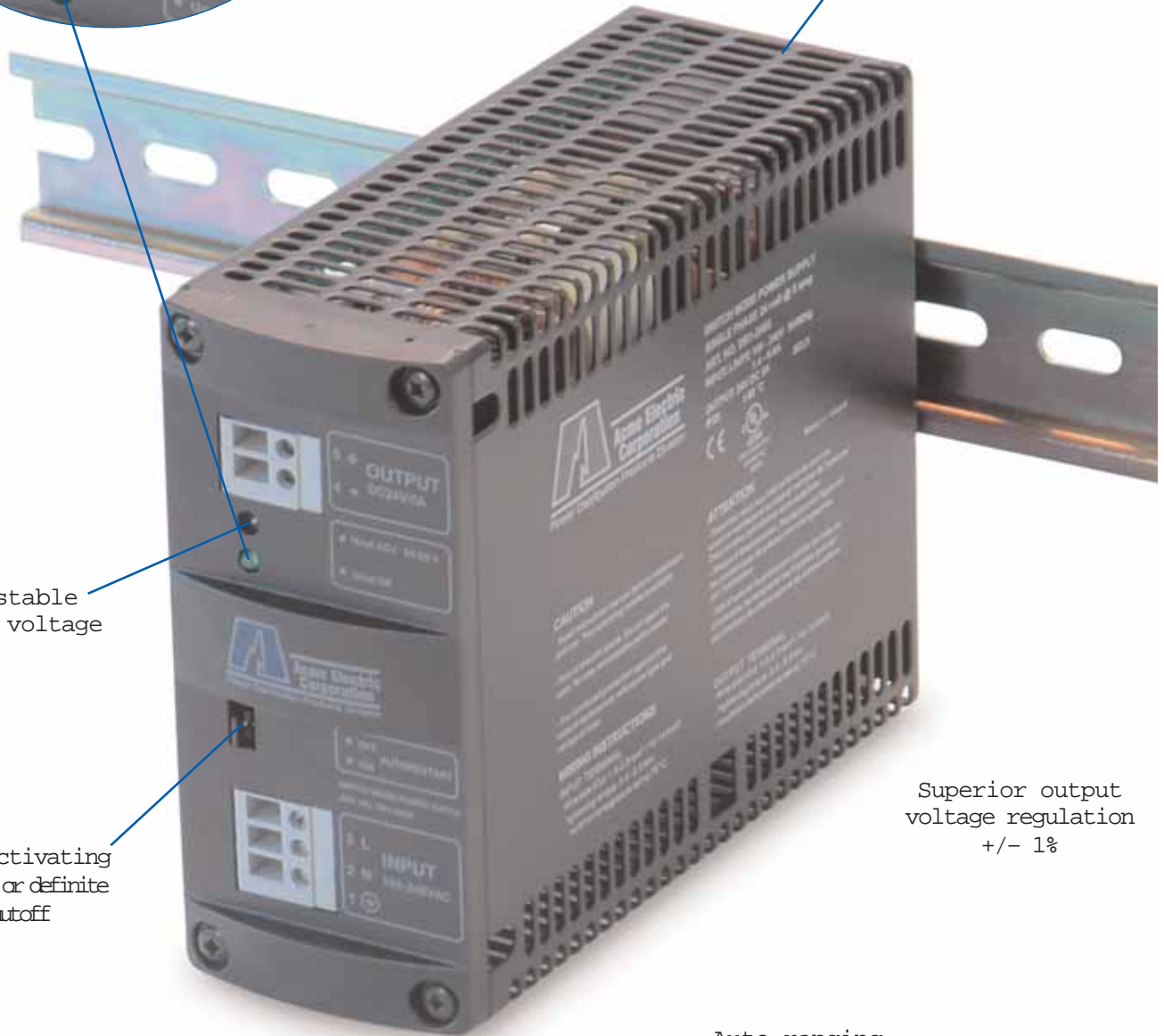
DR SERIES DIMENSIONAL DRAWINGS



Local output status indication
When the LED is lit, 24 volt
DC output power is functional



Fully enclosed, compact slim book
profile design
IP20 Touchsafe Rating
Minimize installation footprint



Adjustable
output voltage

Self activating
Restart or definite
shutoff

Superior output
voltage regulation
+/- 1%

Auto ranging
input voltage
No adjustments required