

# PSU5R SERIES

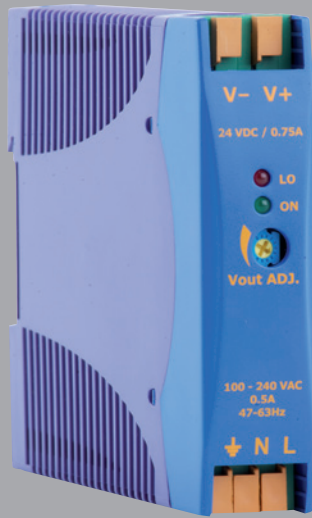
# PSU6R SERIES



## AC-DC DIN rail mountable power supply industrial control equipment

- Universal input 85~264VAC
- Short circuit protection
- Internal input filter
- 2 years warranty

# PSU5R SERIES



The PSU 5R is the ideal choice for your control supply needs for both the DFE (up to 97A) and PFE Soft Starters. It is a compact 24VDC power supply that is DIN Rail mounted which cuts down on cabinet space and minimises installation time.

One PSU 5R can control up to 3 PFE or DFE (up to 97A) Soft Starters reducing the need for multiple power supply systems.

## MODEL

Model No.	Input Voltage	Output Wattage	Output Voltage	Output Current	EEF. (min)	EEF. (typ.)
DRA18-24A	90~264 VAC	18 WATTS	+ 24 VDC	750 mA	75%	77%

## SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, 25 C Unless Otherwise Noticed

INPUT SPECIFICATION					
Characteristics	Condition	min.	typ.	max.	unit
Rated input voltage	Io nom	100		240	VAC
Input current	Vi: 115/230 VAC, Io nom		335/210		mA
Rated input current	Vi: 90 VAC, Io nom			500	mA
Line frequency	Vi: nom, Io nom	47		63	Hz
Inrush current	Vi: 115/230 VAC, Io nom			10/18	A
Power dissipation	Vi: 230 VAC, Io nom 24V model		4.45		W
Leakage current	Input - Output			0.25	mA
	Input - FG			3.5	mA

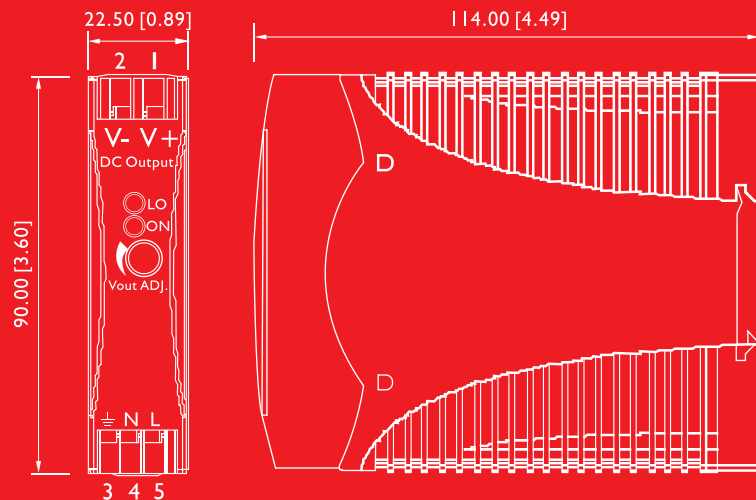
OUTPUT SPECIFICATION					
Characteristics	Condition	min.	typ.	max.	unit
Output voltage accuracy (Adjusted before shipment)	Vi: nom, Io max	0		+1	%
Rated continuous loading	Vi nom, 24V model	0.75 A @ 24Vdc / 0.6 A @ 28.8 Vdc			

CONTROL AND PROTECTION					
Characteristics	Condition	min.	typ.	max.	unit
Rated over load protection	Vi nom (see typ current limited curve)	110		140	%

## MECHANISM & PIN CONFIGURATION

Sizes mm (inches)



### CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail.

### INSTALLATION

Ventilation / Cooling  
Normal convection  
All sides 25mm free space  
For cooling recommended  
Connector size range  
Spring terminal:  
AWG24-14 (0.2~2mm<sup>2</sup>) flexible / solid cable,  
10 m/m stripping at cable end recommends  
Use copper conductors only, 60 / 75°C

GENERAL TOLERANCE	
0.00[0.00] - 30.00[1.18]	±0.30[0.01]
30.00[1.18] - 120.00[4.72]	±0.50[0.02]

# PSU6R SERIES



The PSU 6R is the ideal choice for your control supply needs for the DFE (above 97A) Soft Starters. It is a compact 24VDC power supply that is DIN Rail mounted which cuts down on cabinet space and minimises installation time.

One PSU 6R controls one DFE (above 97A) Soft Starters.

## MODEL

Model No.	Input Voltage	Output Wattage	Output Voltage	Output Current	EEF. (min)	EEF. (typ.)
DRA60-24A	85~264 VAC	60 WATTS	+ 24 VDC	2500 mA	86%	89%

## SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, 25 C Unless Otherwise Noticed

### INPUT SPECIFICATION

Characteristics	Condition	min.	typ.	max.	unit
Rated input voltage	Io nom	100		240	VAC
Input current	Vi: 115/230 VAC, Io nom		1060/590		mA
Rated input current	Vi: 85 VAC, Io nom			1500	mA
Line frequency	Vi: nom, Io nom	47		63	Hz
Inrush current	Vi: 115/230 VAC, Io nom			20/40	A
Power dissipation	Vi: 230 VAC, Io nom 24V model		8.8		W
Leakage current	Input - Output			0.25	mA
	Input - FG			3.5	mA

### OUTPUT SPECIFICATION

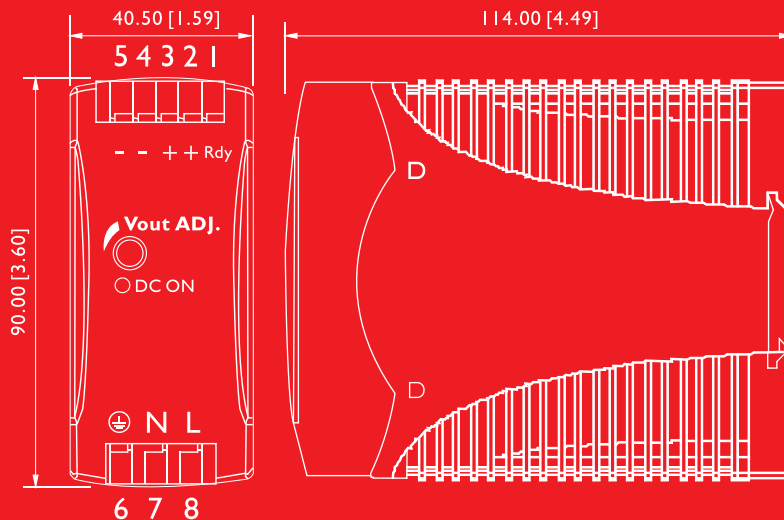
Characteristics	Condition	min.	typ.	max.	unit
Output voltage accuracy (Adjusted before shipment)	Vi: nom, Io max	0		+1	%
Rated continuous loading	Vi nom, 24V model	2.5 A @ 24Vdc / 2.1 A @ 28 Vdc			

### CONTROL AND PROTECTION

Characteristics	Condition	min.	typ.	max.	unit
Rated over load protection	Vi nom (see typ current limited curve)	110		150	%

## MECHANISM & PIN CONFIGURATION

Sizes mm (inches)



### CONSTRUCTION

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15), unit sits safely and firmly on the rail.

### INSTALLATION

Ventilation / Cooling  
Normal convection  
All sides 25mm free space  
For cooling recommended  
Connector size range  
Spring terminal:  
AWG24-14 (0.2~2mm<sup>2</sup>) flexible / solid cable,  
10 m/m stripping at cable end recommends  
Use copper conductors only, 60 / 75°C

### GENERAL TOLERANCE

0.00[0.00] - 30.00[1.18]	±0.30[0.01]
30.00[1.18] - 120.00[4.72]	±0.50[0.02]

For more information on how the PSU 5 & 6 from Fairford Electronics can reduce your running costs and lower maintenance bills contact your local distributor.

tel: +44 (0) 1752 894554 or visit our website  
[www.fairford.com](http://www.fairford.com)



SCIGATE AUTOMATION (S) PTE LTD

No.1 Bukit Batok Street 22 #01-01 Singapore 659592

Tel: (65) 6561 0488

Fax: (65) 6562 0588

Email: [sales@scigate.com.sg](mailto:sales@scigate.com.sg)

Web: [www.scigate.com.sg](http://www.scigate.com.sg)

Business Hours: Monday - Friday 8.30am - 6.15pm



[info@fairford.com](mailto:info@fairford.com)  
[www.fairford.com](http://www.fairford.com)

