

FDR 50-24

Series name

Total output wattage

Output voltage combination



Features:

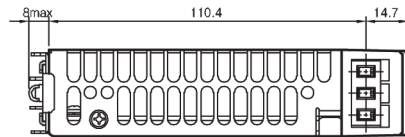
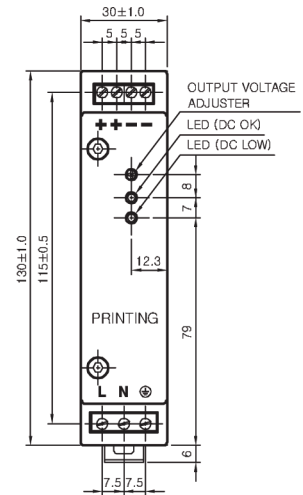
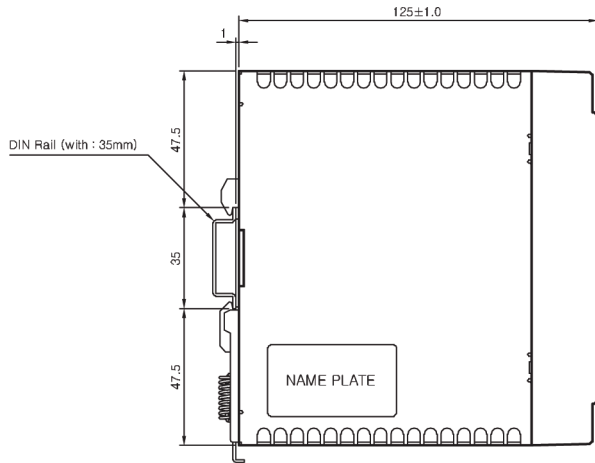
- 50 Watt
- Low cost
- Compact size
- Universal AC input full range
- Compatible with DIN rail TS-35 / 7.5 or 15
- PFC as standard (180W, 240W)
- Over voltage protection
- Over current protection
- LED indicator for DC power ON
- LED indicator for DC low
- 3 year warranty

FDR50-S Specifications



	MODEL	FDR50-24	FDR50-48	
INPUT	VOLTAGE, FREQUENCY	AC100-240V (AC 90~264V OR DC 127~370V) 50/60Hz (47~63Hz), universal input		
	CURRENT [A]	110V	1.0 (I _o =100%)	
		220V	0.6 (I _o =100%)	
	EFFICIENCY [%]	110V	86 typ	86 typ
		220V	88 typ	88 typ
INRUSH CURRENT		20A typ (AC IN 110V, I _o =100%), 40A typ (AC IN 220V, I _o =100%) at cold start		
OUTPUT	VOLTAGE [V]	24	48	
	CURRENT [A]	2.2	1.1	
	VOLTAGE ADJUSTMENT RANGE [V]	22.5 ~ 28.5	45 ~ 55	
	RATED POWER [W]	240	240	
	REGULATION, LINE [mV]	120	240	
	REGULATION, LOAD [mV]	240	480	
	RIPPLE, NOISE MAX [mV]	100	120	
	TEMPERATURE DRIFT [mV]	360	720	
	RISE TIME [ms]	560 Max (AC IN 110V I _o =100%)		
HOLDING TIME [ms]	20 typ (AC IN 110V I _o =100%)			
FUNCTION	OVER CURRENT PROTECTION [A]	Works at over 110 ~ 150% of rating, current limiting		
	OVER VOLTAGE PROTECTION [V]	30 ~ 35	60 ~ 65	
	DC_OK LAMP	LED (GREEN)		
	DC_LOW LAMP	LED (RED)		
	PARALLEL / SERIES OPERATION	Series operations is possible		
COOLING / O.T.P	Convention cooling			
ELECTRICALLY ISOLATED	INPUT-OUTPUT	AC 3,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & humidity)		
	INPUT-CASE, FG	AC 2,000V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & humidity)		
	OUTPUT-CASE,FG	AC 500V 1 minute current 20mA, DC 500V 100MΩ (At room temperature & humidity)		
ENVIRONMENT	OPERATING TEMP AND HUMID	-25 ~ +70°C (Required Derating), 20 ~ 90% RH (Non Condensing)		
	STORAGE TEMP AND HUMID	-40 ~ +85°C, 20 ~ 90% RH (Non Condensing)		
	VIBRATION	10 ~ 55Hz at 2G, 1 minute period, 1 hour long, X, Y and Z axis		
SAFETY	SAFETY REGULATION	UL, C-UL, CE, CB	UL, C-UL, CE, CB	
EMISSION	CONDUCTED EMISSION	Complied with EN55011 / EN55022-B, FCC-B		
PFHC	HARMONIC CURRENT	Complied with EN61000-3-2 (Class A)		

FDR50-S External View



- * Weight : 570g
- * Tolerance : ± 1
- * Dimensions in mm