

ADP Operation Manual

■ Product Description

ADP DIN rail power supply is specially designed for industrial applications. It can be installed on TS-35 DIN rail and fixed on the bracket of electrical box. Its main function can convert 100-264 volts AC source into 24 volts DC source efficiently & reliably. ADP series of products are all made of double-sided PCB and they are of better quality, better durability than those made of single-sided PCB. ADP power circuit design & all the components are compliant with the latest requirements and standards of UL, CE & RoHS. It has a complete circuit protection design to resist overload, overvoltage and short circuit etc. It is avoided to damage & failure caused from improper operations.

■ Panel Description



Designation	Description
Power	Power on LED indicator
V adj.	O/P voltage adjustment
+	Output Positive terminal
-	Output Negative terminal
⏚	Input Ground terminal
N	Input Neutral terminal
L	Input Line terminal

■ Specification and Model Description

Model	ADP-24V-1A	ADP-24V-2A	ADP-24V-4A	ADP-24V-5A	ADP-24V-6A	ADP-24V-8A	ADP-24V-10A
Rated Output Voltage	24V _{dc}						
Rated Output Current	1A	2A	4A	5A	6A	8A	10A
Rated Output Wattage	24W	48W	96W	120W	144W	192 W	240W
Input Voltage Range	100-240V _{ac}				110-240V _{ac}	180-264V _{ac}	
Max. Input Current	< 1A	< 1A	< 2.5A	< 2.5A	< 3A	< 3A	< 3A
Certification	UL, CE, RoHS	UL, CE, RoHS	UL, CE, RoHS	UL, CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS

■ Installation Instruction

1. Please make sure wire connections of I/P and O/P are correct before AC source is turned on.
2. The connectors of ADP power unit can resist to 8 lb-in torque, operation temperature between 60-75°C and Pollution Degree 2 environment. Its maximum surrounding temperature should be below 45°C.
It must be derated as temperature over 45°C.
3. Place ADP power unit on the top of DIN rail and slip it into the groove of DIN rail by the sequence as Fig. 1, then it will be locked automatically.
4. As shown in Fig. 2, use a " - " screwdriver and insert it into the groove of DIN rail and then twist or pull the hook out. ADP power unit can be released.
5. ADP power unit exist good vents on housing to remain air flow. There are many ADPs in one box, please each be kept 15-20 mm distance away for heat dissipation.

