

Item: 4728_26 (A5DS)



Locate the power supply box in a ventilated and dry place, with nearby socket for the main AC power. Always ground the AV-26 by connecting the main ground wire to the terminal marked as EARTH at the AV-26 AC main input (refer to figure 1).

Step Two: Wiring Main AC

The AV-26 operates on 115V or 220V AC. The factory setting is for 220V. For 115V mode remove the switching power supply and switch to 115V.

Connect the ground first (refer to figure 1) "N" and "L" wires to the two "AC Main" terminals. The switching power supply is factory interfaced to the AV-26 main board.

Step Three: Wiring DVR and Cameras

Output is compatible for DVR that powered by 12 volts, maximum 2.8A, or camera. Outputs 2 to 12 are for cameras powered by 12V maximum 1A.

Power-up without battery, before wiring DVR and/or CCTV cameras, and battery connection, verify that all Green LEDs are on.

Power-down the AV-26, push the main switch (right side) to Off. The Green LED per channel indicated Power status, to disconnect the channel power remove the channel's Jumper accordingly.

Wire-up the loads (DVR, cameras) in the correct polarity; Positive to the +V and Negative to the -V terminals, power up and verify the Green LED is on, make sure the powered items well operate. If the main power supply voltage is low or fail the Red LED turns on with -V applied to the FAIL terminal, this FAIL can trig buzzer or dialer that consume 100 mA maximum. For 16 cameras site connect two cameras to same channel (each channel is 1.1A maximum), refer to figure1.

Note 1: The AV-26 is factory adjusted at approximately 14.5V (supply 10A) to allow the 12V long wiring, for higher current lower the output voltage to 12.8V get higher current (12A). To lower the voltage: Apply a voltmeter and gently tune the trimmer (located on the metal main power supply).

Connect the Battery Red wire to + (Positive) battery terminal and the Black wire to the - (Negative) battery terminal.

The AV-26 is compatible with SLA type rechargeable battery. Use 12V 4 to 7 A/H battery.

EasyLoader applications& Electronic Fuse

When connecting the AV-26 to EasyLoader control panel (fail output activate the dialer, or other alerts), connect the -V (common minus) from AV-26 and the -V of the control panel.

The AV-26 loads are electronically protected by a solid-state fuse and over current circuitry build-in the regulator. In case of failure touch the fuse enclosure (Yellow color) for over heating. Hot electronic fuse means over loading. Disconnect the channel's Jumper and find the overloading item, most caused by wires short or faulty camera/DVR. In case one or few channels are overloaded the fuse disconnect them automatically, but the overloaded channels consumes the limited current, disconnect them to prevent over heating of the whole power supply.

AV-26 Specifications		
Operating Temp: -10 to +60 C°	Battery monitor cut: @ 9.9 V	Power Indicator: Green LED
Humidity: 80%	DC Output: 13.8V DC, +/- 8%	DC Wiring: Screws Terminals
AC Input: 220V or 115V AC	Max. DC Current per channel: 1A	Battery charge max: 1.5A
AC Input: Fused terminal (1.25A)	Protection: Thermal fuse 12 pc's	Battery charge voltage: 13.6V
AC Fuse: 1.25A fast blow	Polarity Protection: Electronic	Battery Size: 12V- 7.2 AH
Power supply: Switching 150W	Fail level output: 11.8V +/- 3%	Battery Type: SLA
Ripple at 1A load: 15 mV, P-P	Fail Indicator: Red LED	Box size: 230 x 310 x 60 (mm)

© All rights reserved to Av-Gad Systems Ltd, AV-26 MANUAL ENG.DOC, August 2012

บริษัท ที.เอส.อาร์. - เทเลคอม ซีสเท็มส์ จำกัด

โทร 02-528-0383 ถึง 7

Email : sales@tsr.co.th

Line ID : @tsrtelecom

Website : tsr.co.th

