

## Multi Output CCTV Power Supplies

- The new MULTI range of power supplies are rewriting the rule book for Multiway CCTV Power.
- The 2 new units, now do the job of 6 previous models without losing any of the current range benefits with their unique fuse layout making them the most cost effective, user friendly & flexible Power supply on the market. The clear panel in the front of each unit allows engineers to see if outputs are live without opening.

### HAY-PSUMULTI-5A

This unit has now replaced these models:

4 Output - 4A - HAY-PSU412-4A  
4 Output - 5A - HAY-PSU412-5A  
9 Output - 5A - HAY-PSU912-5A

**The MULTI-5A has 9 total outputs.**

**Outputs: 1 to 4** the fuses are rated to 1.6A

**Outputs: 5 to 9** the fuses are rated to 1.1A.

**Total power output cannot exceed 5A.**

### HAY-PSUMULTI-10A

This unit has now replaced these models:

4 Output - 10A - HAY-PSU412-10A  
9 Output - 10A - HAY-PSU912-10A  
16 Output - 10A - HAY-PSU1612-10A

**The MULTI-10A has 16 total outputs.**

**Outputs: 1 to 4** the fuses are rated to 2.5A

**Outputs: 5 to 16** the fuses are rated to 1.1A.

**Total power output cannot exceed 10A.**





- When traditional fuses are being used for overcurrent protection it can only protect once then it must be replaced. The PTC resettable fuse is a type of overcurrent protection element which has two functions providing overcurrent protection and automatic reset.
- The overcurrent protection PTC element is serially connected to the circuit and under normal circumstances it provides a low resistance state and can ensure the normal working of the circuit. If a short circuit or unusually high current occurs, the PTC fuses cut in to reduce the voltage down to a trickle thus preventing damage and protecting the equipment.
- The PTC fuse will automatically reset once the fault in the overcurrent is removed. The PTC elements will automatically return to its low resistance state, which not only avoids maintenance or replacement but also avoids a continuously circulating switching state which can cause circuit damage.

HAY-PSUMULTI-5A		HAY-PSMULTI-10A
Input Voltage	AC 110 – 240V Rated 3amp main fuse	AC 110 – 240V Rated 3amp main fuse
Outputs	9 x 12VDC Outputs	16 x 12VDC Outputs
Maximum Output	<b>5 Amps</b>	<b>10 Amps</b>
Auto Reset PTC Fuse for each Output	4 Output 1.6 Amps 5 Output 1.1 Amps *Not exceeding 5 Amps Total Output*	4 Output 2.5 Amps 12 Output 1.1 Amps *Not exceeding 10 Amps Total Output*
Regulated & Filtered	✓	✓
Surge Protected (Class 3)	✓	✓
Internal ON/OFF Power Switch	✓	✓
Individual LED Output Indicator	✓	✓
Dimensions	18 x 16.5 x 5.2 cm Weight 1Kgs	24 x 20.5 x 6.5cm Weight 1.8 Kgs
CE & RoHS Compliant	✓	✓

### PTC Fuse Examples for MULTI-5A: HAY- PSUMULTI-5A

Fuses 1 to 4 can output up to 1.6A Fuses 5 to 9 can output up to 1.1A

**\*\*Total PSU output cannot exceed 5 Amps\*\* Examples:**

$$3 \times 1.5A + 1 \times 0.5A = 5Amps$$

$$1 \times 1.6A + 2 \times 1.2A + 1 \times 1A = 5Amps$$

$$9 \times 0.55A = 5Amps$$

### PTC Fuse Examples for MULTI-10A: HAY- PSUMULTI-10A

Fuses 1 to 4 can output up to 2.5A Fuses 5 to 16 can output up to 1.1A

**\*\*Total PSU output cannot exceed 10 Amps\*\* Examples:**

$$2 \times 2.2A + 14 \times 0.4A = 10Amps$$

$$9 \times 1.1A = 10Amps$$

$$16 \times 0.62A = 10Amps$$

Both Models: Storage Temperature - 20 to 85C ; Operating Temperature -10 to 50C ; Operating Relative Humidity 0-90%