

Haydon's range of multi way metal cased PSUs use the latest technology PTC fuses, eliminating replacing fuses after overvoltage or short circuit occurs

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 new-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.

12vDC Metal Boxed Multi Output

| | HAY-PSU412-5A | HAY-PSU412-10A | HAY-PSU912-5A | HAY-PSU912-10A | HAY-PSU1612-10A | HAY-PSU1612-20A |
|-------------------------------------|--|---|--|---|---|---|
| Input Voltage | 187 – 253V Rated 3amp main fuse | 187 – 253V Rated 3amp main fuse | 187 – 253V Rated 3amp main fuse | 187 – 253V Rated 3amp main fuse | 187 – 253V Rated 3amp main fuse | 187 – 253V Rated 3amp main fuse |
| Outputs | 4 x 12VDC Outputs | 4 x 12VDC Outputs | 9 x 12VDC Outputs | 9 x 12VDC Outputs | 16 x 12VDC Outputs | 16 x 12VDC Outputs |
| Maximum Output | 5 Amps | 10 Amps | 5 Amps | 10 Amps | 10 Amps | 20 Amps |
| Auto Reset PTC Fuse for each Output | Maximum Per Output 1.6 Amps *Not exceeding 5 Amps Total Output* | Maximum Per Output 2.5 Amps *Not exceeding 10 Amps Total Output* | Maximum Per Output 1.1 Amps *Not exceeding 5 Amps Total Output* | Maximum Per Output 1.1 Amps *Not exceeding 10 Amps Total Output* | Maximum Per Output 1.1 Amps *Not exceeding 10 Amps Total Output* | Maximum Per Output 1.6 Amps *Not exceeding 20 Amps Total Output* |
| Regulated & Filtered | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Surge Protected | ⚡✓ | ⚡✓ | ⚡✓ | ⚡✓ | ⚡✓ | ⚡✓ |
| Internal ON/OFF Power Switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Individual LED Output Indicator | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dimensions | 9 x 21 x 24.5 cm Weight 2.75 Kgs | 9 x 21 x 24.5 cm Weight 2.75 Kgs | 9 x 21 x 24.5 cm Weight 2.75 Kgs | 9 x 21 x 24.5 cm Weight 2.75 Kgs | 9 x 21 x 24.5 cm Weight 2.75 Kgs | 9 x 21 x 24.5 cm Weight 3.2 Kgs |
| CE & RoHS Compliant | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

All Models: Storage Temperature - 20 to 85C ; Operating Temperature -10 to 50C ; Operating Relative Humidity 0-90%
All Models: White Powder Coated Steel Enclosure with PG9 Cable Gland & Knockouts for Conduit Entry



PTC Fuse Examples:

HAY-PSU412-5A
Total Output = 5amps
Each fuse can output up to
1.6 amps but the unit cannot
exceed 5 Amps total
E.G. (3 x 1.5A) + (1 x 500Ma) = 5amps
(1 x 1.6A) + (2 x 1.2A) + (1 x 1) = 5amps