

## VR6 Voltage Regulator

### Description

Altronix VR6 Voltage Regulator converts a 24VDC input into a regulated 5VDC or 12VDC selectable output at up to 6A supply current. It reduces the cost of adding an additional power supply to achieve 24VDC and 12VDC or 5VDC simultaneously.



VR6

### Specifications

#### Input/Output

**Voltage Range**    24VDC @ 1.75A = Output: 5VDC @ 6A,  
                              24VDC @ 3.5A = Output: 12VDC @ 6A.

#### Output

5VDC or 12VDC regulated output.  
 Output rating 6A max.  
 Surge suppression.

#### Indicators (LED)

**Input**                     Indicates input voltage is present.  
**Output**                    Indicates normal operating condition.

#### Agency Listings

**UL/cUL:**  
**UL 294 6th Edition:** Access Control System Units.  
**ULC-S319:**                Electronic Access Control Systems.

#### Physical and Environmental

##### Dimensions (L x W x H)

5.375" x 3" x 1" (136.5mm x 76.2mm x 25.4mm).

**Product Weight**        0.4 lbs. (0.18 kg).

**Shipping Weight**       0.5 lbs. (0.23 kg).

##### Temperature

**Operating**                0°C to 49°C (32°F to 120°F).

**Storage**                    -20°C to 70°C (-4°F to 158°F).

**Relative Humidity**      85% +/-5%.

##### BTU/Hr (approx.):

5VDC: 15 BTU/Hr.

12VDC: 37 BTU/Hr.

### Accessories

#### PDS8 - Dual Input Power Distribution Module

PDS8 is designed to piggyback onto the VR6 making an instant plug-in connection via common standoffs. The stackable mounting configuration saves valuable enclosure space.

- Any of the eight (8) outputs are switch selectable to follow power input 1 or input 2.
- Individual outputs may be set to OFF position for servicing.

PDS8 - fuse protected outputs rated @ 3A.

PDS8CB - PTC protected outputs rated @ 2A.

Total output current should not exceed max current rating of power supply employed.



## VR6 Voltage Regulator

### Board Dimensions (L x W x H) and Drawing

5.375" x 3" x 1" (136.5mm x 76.2mm x 25.4mm)

