

## Built-in DIN Rail Mount 12V and 24V DC

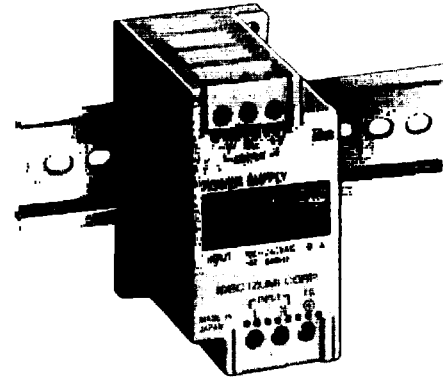
- Ideal for using 3-wire sensors with the Micro 1
- Compact, lightweight and energy efficient
- Output voltage: 12V DC, 0.63A or 24V DC, 0.32A
- Input voltage: 85 to 264V AC, 110-340V DC
- Features short-circuit (overcurrent) protection
- Includes an LED operation indicator
- UL listed and CSA certified.



UL Listed  
File No. E102542



CSA Certified  
File No LR66809



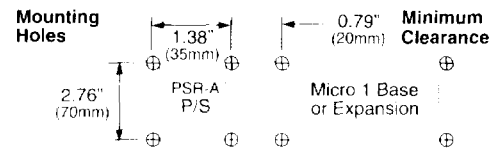
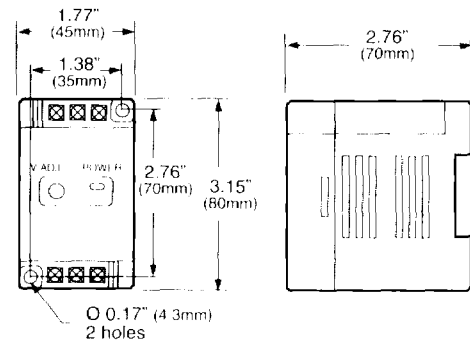
## PSR-A Series Part List

| Part No.    | Output Rating |       | Input Voltage                                                    |
|-------------|---------------|-------|------------------------------------------------------------------|
| PSR-AD0712E | 12V           | 0.63A | 100 to 240V AC nominal:<br>85-264V AC,<br>110-340V DC compatible |
| PSR-AD0724E | 24V           | 0.32A |                                                                  |

## Specifications

|                               |                                             |                                                                                                                            |
|-------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Input                         | <b>Input Voltage</b><br>(Sng-phase, 2-wire) | 100V to 240V AC nominal: 170-264V AC,<br>110-340V DC compatible                                                            |
|                               | <b>Frequency</b>                            | 47 to 440Hz                                                                                                                |
|                               | <b>Input Current</b>                        | 0.18A @ 100V, rated input/output<br>0.14A @ 200V, rated input/output                                                       |
|                               | <b>Inrush Current</b>                       | 100V nominal: 20A maximum<br>200V nominal: 40A maximum                                                                     |
|                               | <b>Leakage Current</b>                      | 100V nominal: 0.5 mA maximum<br>200V nominal: 0.5 mA maximum                                                               |
|                               | <b>Efficiency</b>                           | 68% (12V DC Unit) and 70% (24V DC Unit)<br>@ 100V and rated output                                                         |
| Output                        | <b>Voltage and Current Ratings</b>          | 12V DC, 0.63A<br>24V DC, 0.32A                                                                                             |
|                               | <b>Adjustments</b>                          | Voltage Range: $\pm 10\%$ (V.ADJ term. - front)                                                                            |
|                               | <b>Output Holding Time</b>                  | 10 msec minimum<br>(at rated input and output)                                                                             |
|                               | <b>Rise Time</b>                            | 200 msec maximum (at rated input/output)                                                                                   |
|                               | <b>Input Fluctuation</b>                    | 0.4% maximum                                                                                                               |
|                               | <b>Load Fluctuation</b>                     | 0.6% maximum                                                                                                               |
|                               | <b>Temp. Change</b>                         | 0.02% per °C maximum (0 to 50°C)                                                                                           |
|                               | <b>Ripple Voltage</b>                       | 1% + 50 mV p-p maximum (including noise)<br>measured with a 47 $\mu$ F capacitor connected                                 |
| <b>Overcurrent Protection</b> |                                             | 105% minimum                                                                                                               |
| <b>Operation Indicator</b>    |                                             | LED                                                                                                                        |
| <b>Dielectric Strength</b>    |                                             | Between input terminal and output terminal or FG terminal: 2000V AC, 1 minute<br>Betw. output and FG term: 500V AC, 1 min. |
| <b>Insulation Resistance</b>  |                                             | Between input terminal and output terminal or housing: 100M $\Omega$ min. (500V DC megger)                                 |
| <b>Operating Temperature</b>  |                                             | 0 to 55 °C                                                                                                                 |
| <b>Storage Temperature</b>    |                                             | -30 to 85 °C                                                                                                               |
| <b>Operating Humidity</b>     |                                             | 20 to 90% RH                                                                                                               |
| <b>Vibration Resistance</b>   |                                             | 6G (5 to 55Hz) 2 hours each in 3 axes                                                                                      |
| <b>Shock Resistance</b>       |                                             | 300N (approx. 30G) 3 shocks each in 3 axes                                                                                 |
| <b>Dimensions</b>             |                                             | 3.15"H x 1.77"W x 2.76"D<br>(80 x 45 x 70mm)                                                                               |
| <b>Terminal Screw</b>         |                                             | M3.5 slotted, Phillips-head screw                                                                                          |

## Dimensions



## Wiring Diagram

When used with the Micro 1

