



## PS459002A AS-Interface 2.8A Power Supply



**StoneL®**  
*Valve Communication Solutions*

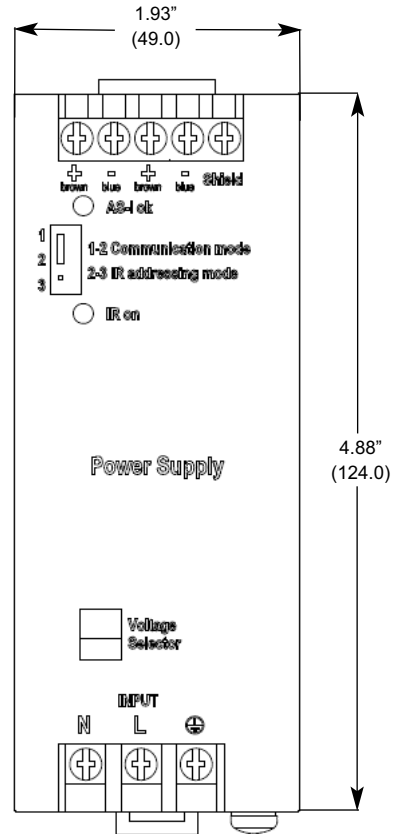
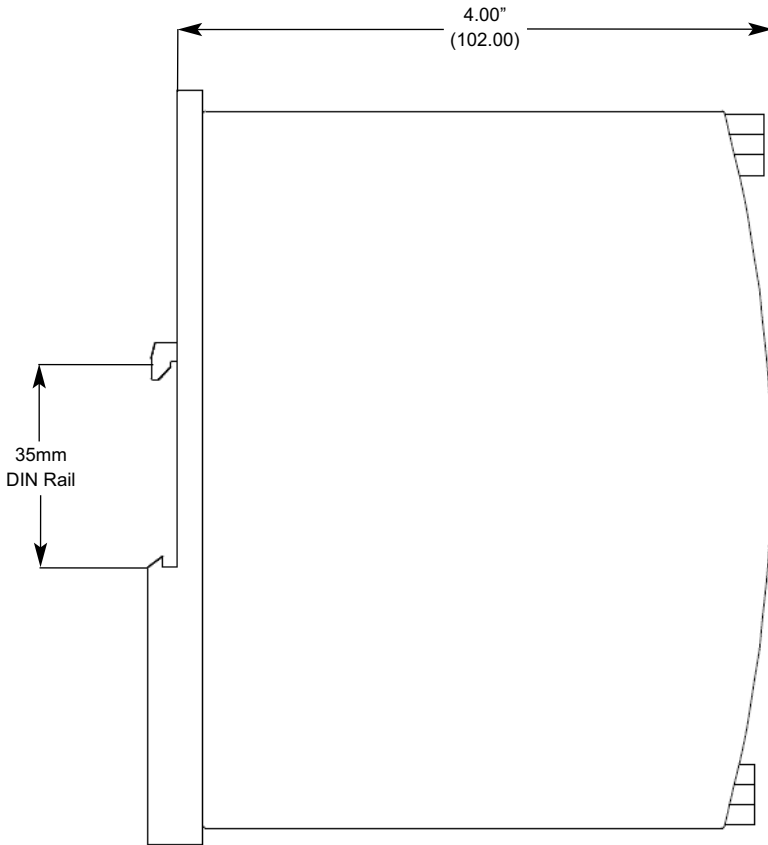
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### Installation Notes

Ingress Protection:	IP20
Enclosure Requirement:	IP54 enclosure required for hazardous area installation
Mounting Position:	Vertical; input below (line voltage), output above (ASI network connection)
Cooling:	Natural/Convection. No forced air-cooling necessary
Free Space (for cooling):	Recommended 25mm above and below clearance Recommended 15mm left and right side clearance
Circuit Protection:	Circuit breaker with B-characteristics minimum 6A or slower action, or alternatively 16A HBC fuse. Observe local electrical codes.
External Fusing:	Not required (internally fused - not field replaceable)
Class of Protection:	1 (IEC 60536). Do not use without Protected Earth (PE) connected
Storage Temperature Range:	-25C to +85C
Operating Temperature Range:	-10C to +70C

### Approvals

United States and Canada (cCSAus):	Class I, Division 2, Groups B,C,D Class I, Zone 2, AEx nA IIC T3 NEC Class 2 Power Source
International:	ATEX Ex nA/nC IIC T3 IECEX Ex nA/nC IIC T3

See [www.stonel.com/approvals](http://www.stonel.com/approvals) for details

## INPUT

Rated Voltage: AC 100-120/220-240V  
(front panel selectable)

Rated Current: 2.0A (switch in 115V position)  
0.9A (switch in 230V position)

Frequency: 47-63Hz (DC also possible)

Voltage Range: AC 85-132V/184-264V; DC 230-375V

Power Factor: >0.5

Peak Current: 20A (AC 132V) / 38A (AC264V)

Hold-up Time: >26ms @ AC 100V

Efficiency: 90.5% (AC 230V, 2.8A)

Power Dissipation: 9.1W (AC 230V, 2.8A)

## OUTPUT

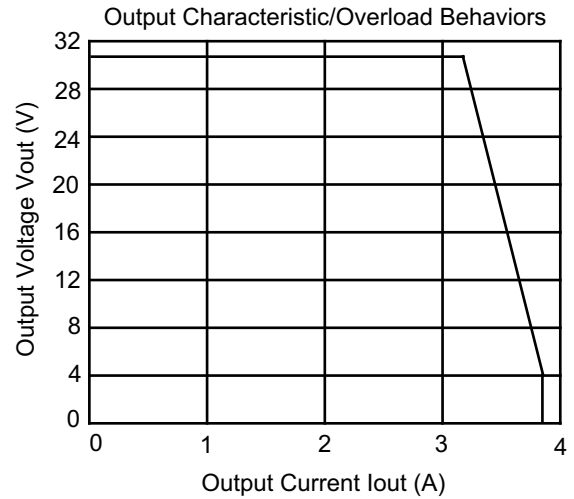
Rated Voltage: DC 30.55V +/- 3% (fixed)

Rated Current: 2.8A

Current Limitation: >3.2A

Short-circuit Current: Min 3.2A; Max 4.6A

Over-voltage Protection: 55V Max



## Front Panel Elements

