

PSR4A

Four Channel Power Supply, Readout and Set Point Controller



The PSR4A is a four channel, digital power supply, display and controller. This four channel version can control four mass flow controllers (MFCs) or mass flow meters (MFMs). The PSR4A can operate either ± 15 VDC MFC/MFMs or single-sided 15 VDC.

The large 8 x 20 display, with intensity control, provides the user with a clear view of MFC/MFM status. The readout is provided with hardware for panel mounting or as a table top display (as shown in picture).

The PSR4A has RS-232 serial port communication for remote control, data logging and remote alarms. Gauge factor scaling allows the user to adapt to different gases for the MFC/MFM.

Product Features

- Large graphic high contrast backlit, 8 x 20 display for use with analog MKS mass flow controllers
- Two fully adjustable relay outputs for limit monitoring
- Rack mount installation or table top stand
- Support ± 15 VDC legacy MFCs/MFMs and 15 VDC single-sided MFCs/MFMs



Key Benefits

- Built-in RS-232 serial communication port
- User-selectable engineering units for both MFCs and MFMs
- Menu-driven with simple set-up and operation

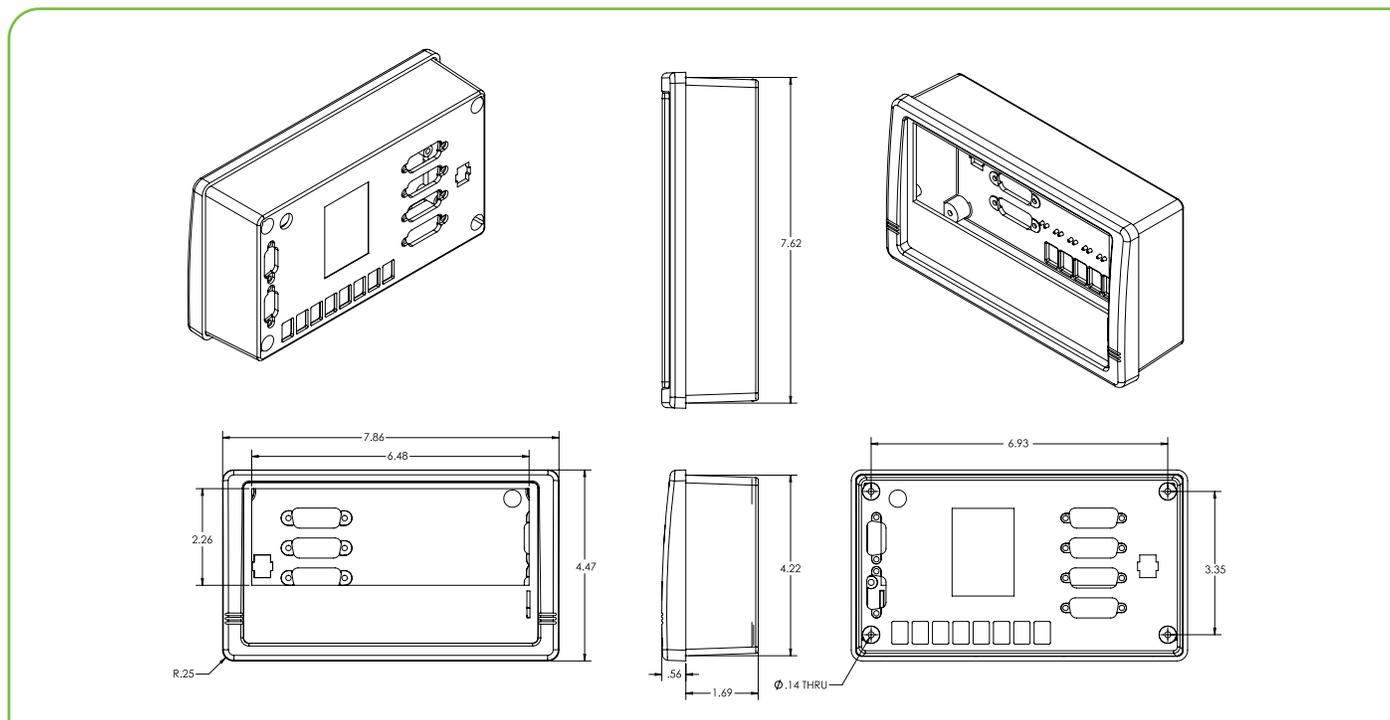
Specifications

Display Type	Graphic backlit LCD
Number of Channels Provided/Displayed	4 for PSR4A
Alarm Limit Relays	1 relay/channel with 2 alarms
Outputs Line	1 analog output per channel with 16-bit resolution
Memory	Non-volatile memory, (for example, the last setting remains stored)
Power Input ±15 VDC Units	85-264 VAC, 47-63 Hz
Ambient Operating Temperature	0°C to 40°C
Weight	0.76 lbs four channel
Compliance	CE, UKCA

Ordering Code Example: PSR4A-US		Code	Configuration
Model	Four Channel	PSR4A	PSR4A-
Source Power Connector	United States United Kingdom Europe Asia	US UK EU JP	US

Notes:

- 1) Cables are not offered or provided by MKS. The power supply readout is provided with a gender changing connector, compatible with MKS 15 Pin "D" Analog MFCs that permits use of a commercially available DB15 cable structure: 15*26AWG (11*0.12TC) OD: 1.05mm+AL+Drain+Jacket and plus tinned copper braid shield, OD: 7.5mm
- 2) MKS recommends operating the PSR4A with single-sided powered MFCs with untied grounds and dual-sided powered MFCs with tied grounds.



Dimensional Drawing – Unless otherwise specified, dimensions are nominal values in inches.