



PSD5

Valve Positioner

SPORLAN



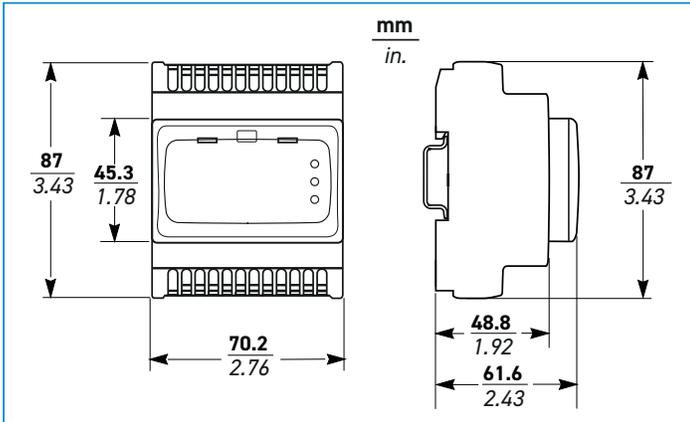
INTRODUCTION

GENERAL INFORMATION

The PSD5V1SD-010 and the PSD5V1SD-420 provide a control system interface for positioning of Sporlan electronic Gas Cooler and Flash Gas Bypass valves. The PSD5V1SD-010 operates from a 0-10V input and the PSD5V1SD-420 operates from a 4-20mA input. These devices are powered from either 24Vac or 24Vdc and can be installed on DIN rail or panel mounted



DIMENSIONS



MODELS

PART NUMBER	ITEM NUMBER	CONTROL INPUT
PSD5V1SD-010	952581	0 - 10V
PSD5V1SD-420	952583	4 - 20mA

The following valves are compatible with the PSD5V1SD-010 and PSD5V1SD-420

VALVE MODELS					
SPORLAN GC	-10	-20	-30	-40	-50
SPORLAN FGB	-60		-70		

Reference Bulletin 100-80 for valve information.

FEATURE	DESCRIPTION
The product complies with the following standards:	UL 60730-1 / UL 60730-2-9
Construction of control:	Incorporated Control
Purpose of control:	Operating Control. Driver for electronic valve (Non-safety related)
Method of mounting control:	DIN Rail or Panel mounting
Pollution degree:	2
Overvoltage category:	2
Rated impulse voltage:	2500 V
Software class:	A
Degree of protection provided by enclosure:	IP20 (Open type)
Environmental front panel rating	Open Type
Loads:	Refer to the section "Input/Output characteristics"

DESCRIPTION	VALUE
Power supply:	24 Vac/dc ($\pm 10\%$), Class 2 Source
Power supply frequency:	50/60 Hz
Power draw (maximum):	35 VA / 25 W maximum
Ambient operating conditions:	Temperature: -10...65 °C (14...149 °F) Humidity: 10...90% RH (non-condensing)
Transportation and storage conditions:	Temperature: -20...85 °C (-4...185 °F) Humidity: 10...90% RH (non-condensing)
Maximum terminal temperature for internal conductors:	105 °C (221 °F)
Classification of control according to protection against electric shock:	Class II control intended for use in Class I equipment
Power supply fuse	Fuse type T 3.15 A

