



ABB Power T&D Company Inc.
Relay Division
Coral Springs, FL
Allentown, PA

Descriptive Bulletin
41-244S

Page 1

September, 1992
New Information
Mailed to: E, D, C/41-200B

Over/Undervoltage Relay for
Class 1E Application
Device Number: 27 or 59

Type SVV Voltage Relay

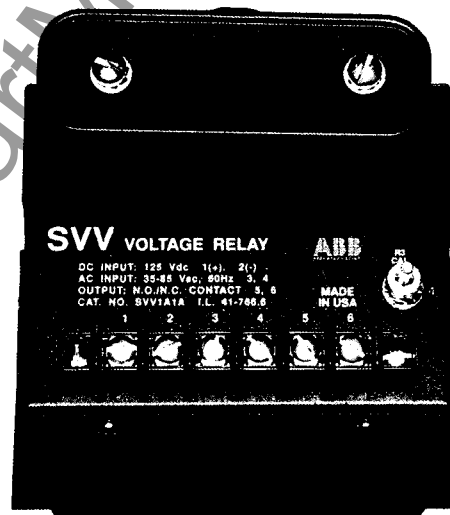
Application

The SVV is a solid state voltage relay which can be used for over or undervoltage applications (Dev 27/59). One of the advantages of this relay is that it may be applied with voltage continuously near pickup without the problems of chatter, welding, or bonding of the contacts.

An application for this relay is for torque control of a separate overcurrent relay. The SVV has the following characteristics:

DC Input: 125 Vdc or 48 Vdc
AC Input: 132 Vac maximum continuous
Output: N.O. or N.C. contact (10 Amps @ 240 Vac, 30 Vdc)
Trip Setting: 35-85 Vac adjustable
Accuracy: 1.0%
Dropout Ratio: 97%
Operate Time: Pickup 20-25 msec.
Dropout 16-18 msec.
Temperature Range: -20 to +55 Degrees C.
Frequency Range: 55-65 Hertz

For further information regarding the SVV voltage relay, refer to I.L. 41-766.6.



Instantaneous Solid State Voltage Relay (Device 27/59)

Front Connected

Type	Frequency:		Adjustable Range:	Dropout Ratio	Power Supply Voltage	Relay Data		
	Hertz	Contacts				Internal Schematic	Catalog Number	Case Size
SVV	55-65	1 N.O. or 1 N.C.	35-85	97%	125 Vdc 48 Vdc	1611C98	SVV1A1A SVV4A1A	7.75" x 5.25" x 3.3 Weight = 3.24 lbs.

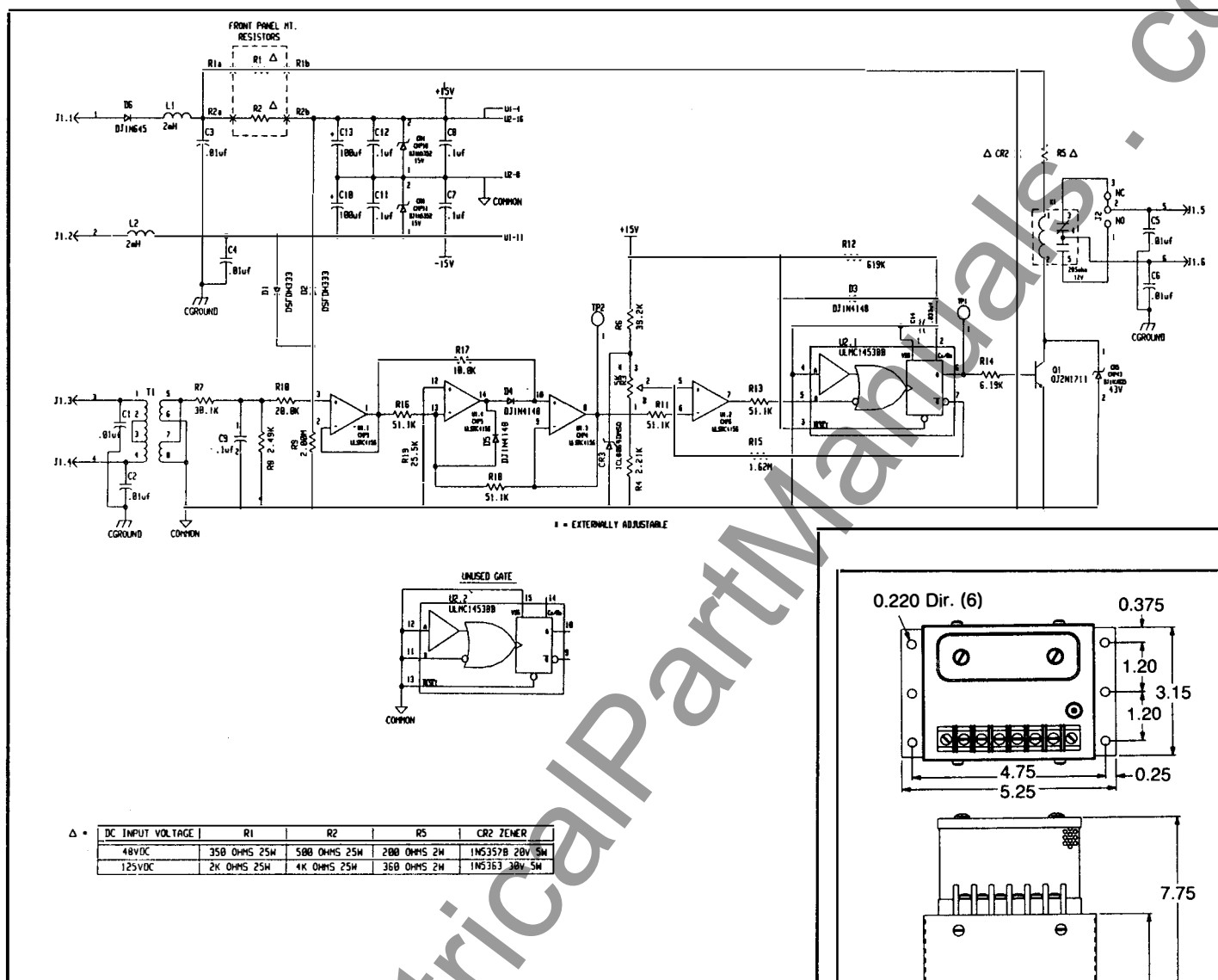


Figure 1. Internal Schematic 1611C98

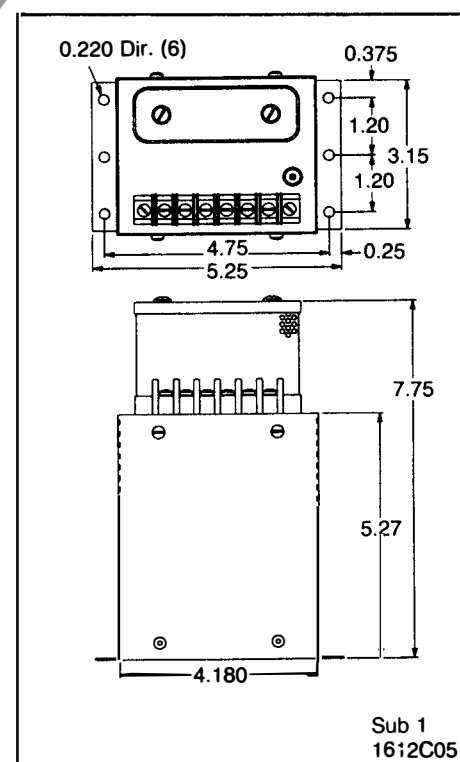


Figure 2. Outline Drawing

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