

16Z1VG

Variable Sensitivity Option

The 16Z1VG variable set point resistor board can be installed on any model 16VM control mounted in a standard 11 pin socket. The 16Z1VG is used to field set the sensitivity of the control. Install circuit board on terminals 6, 7 & 8. (Fig. 1) If two fixed resistors are already installed on these terminals, remove them before installing circuit board.

The sensitivity range on the 16Z1VG is from 5K ohm to 700K ohm. (one turn pot) See figure 2 for settings. CAUTION: resistance values of pots will not be the same as control sensitivity.

For proper control operation, both potentiometers MUST be set to the same setting. Pots should be set to a value slightly higher (5%) then that necessary for liquid. In Gems catalog, refer to Sensitivity Chart on PG D-3 for Series 16VM and Sensitivity & Material chart on page D-4.

Caution should be taken not to exceed control to fitting distance limitations as shown in figure 3.

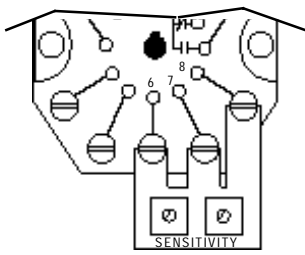


Figure 1

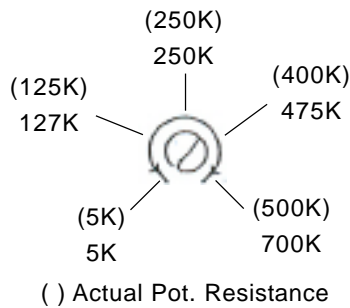


Figure 2

Sensitivity vs Maximum Probe Wire Distance	
Sensitivity	Distance -FT
10 K	5,700
50 K	1,075
100 K	570
470 K	270
700 K	70

Figure 3

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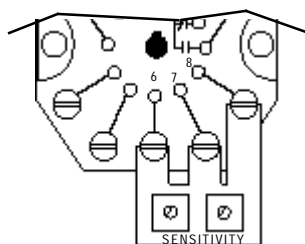


Figure 1

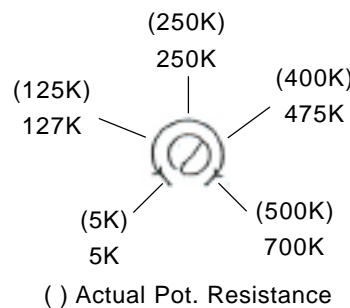


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