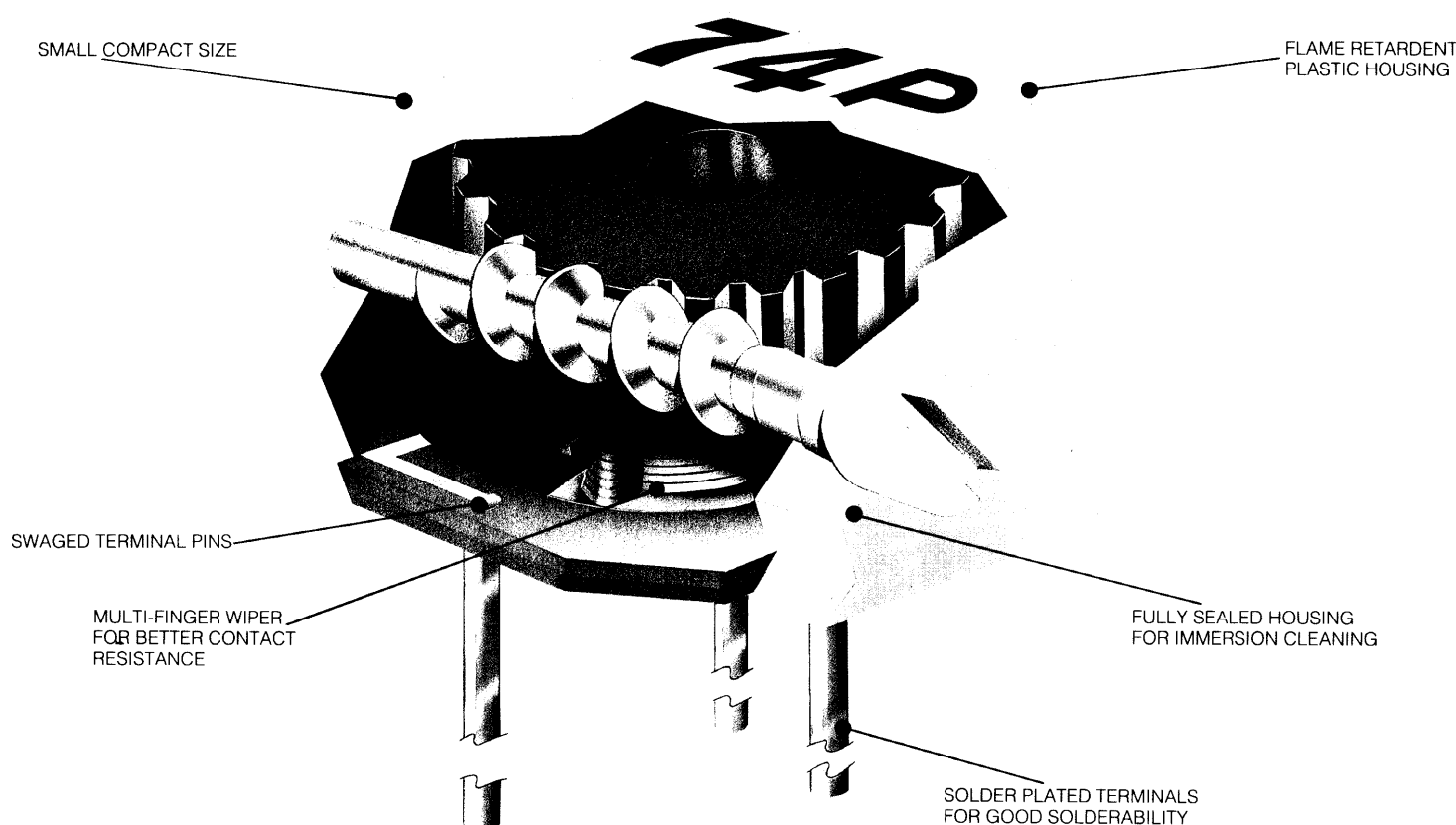


The Model 74

74



A $\frac{1}{4}$ "sq (6.35mm) multiturn cermet trimmer with features to make it your no. 1 choice from the SUPATRIM stable.

The new Model 74 is manufactured to meet the highest reliability standards demanded by today's equipment manufacturers. Environmental and performance testing to MIL-STD-202 AND MIL-R-22097 ensures these standards are maintained.

Available in three pin styles for top or side adjustment and with a range of standard values from 10 ohms to 1 Megohm with a tolerance of $\pm 10\%$.

With excellent setting stability characteristics and case sealing to 85°C for 1 min, the Model 74 is another sure winner from the Supatrim stable.



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MODEL 74

10Ω to 1 Megohm

TRIMMING POTENTIOMETERS

SPECIFICATIONS (per MIL where noted)

ELECTRICAL

EFFECTIVE TRAVEL	12 turns nominal
RESISTANCE RANGE	10Ω thru 1 megohm
RESISTANCE TOLERANCE	±10%
END RESISTANCE	2Ω max
TEMPERATURE COEFFICIENT OF RESISTANCE	±100 ppm/°C
POWER RATING	0.25 watts at 85° C derated linearly to zero watts at 125° C. Maximum voltage not to exceed 300 V.

DIELECTRIC WITHSTANDING VOLTAGE	600 VAC
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INSULATION RESISTANCE	1000 megohms minimum (at 500 VDC)
CONTACT RESISTANCE VARIATION	3% or 3Ω whichever is greater

ENVIRONMENTAL

MECHANICAL

STOP	Contact idles at stops
OPERATING TORQUE	3mNm nominal 216g cms max.
RESISTANCE ELEMENT	Cermet
2-TERMINAL ADJUSTABILITY	0.05% of RT
3-TERMINAL ADJUSTABILITY	0.01% of applied voltage

RESISTANCE VALUES - OHMS

10R, 20R, 50R, 100R, 200R, 500R, 1k, 2k, 5k, 10, 20k, 50k, 100k, 200k, 500k, 1M.

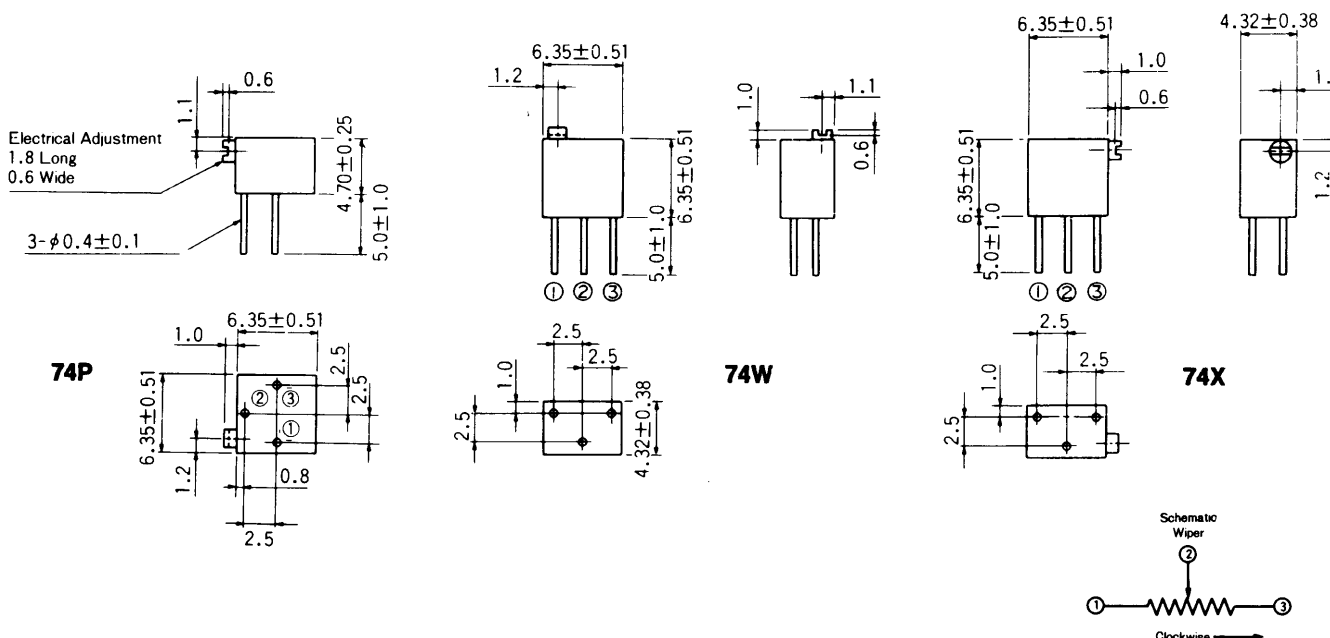
MARKING

Unit Identification:

Manufacturer's name and part number, IEC resistance value coding, tolerance, date code and terminal identification.

	MAX CHANGE ΔR	$\frac{V_{ab}}{V_{ac}}$	RELATED DOCUMENTS PER MIL SPEC
CHANGE OF TEMPERATURE	-55°C to 125°C	1%	MIL-STD-202
VIBRATION	20G	1%	MIL-STD-202
ELECTRICAL ENDURANCE	1000 hour	2%	MIL-R-22097
RESISTANCE TO HEAT		1%	MIL-R-22097
DAMP HEAT STEADY STATE		2%	MIL-STD-202
SEALING	85°C for 1 min	-	MIL-R-22097
MECHANICAL LIFE	200 cycles	2%	
TERMINAL STRENGTH	2.2lbs (1kg)	min	

DIMENSIONS



TOLERANCES: ±0.3 EXCEPT
WHERE NOTED. UNIT MM

As a general policy Spectrol does not recommend the use of any of its products in life support applications where failure or malfunction of the Spectrol product can be reasonably expected to cause failure of the life support device or to significantly affect its safety or effectiveness.

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