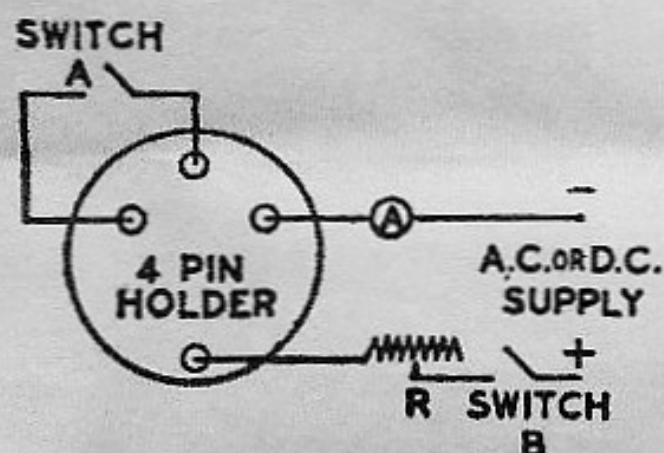


GEC

Laboratory Lamps

Type	For Supply	Operating Volts
SL/D 1.3 Sodium	ac	130/250
	dc	130/250
ML/D 2.0 Mercury	ac/dc	100/250
CL/D 2.0 Cadmium	ac/dc	200/250
CML/D Cadmium-Mercury	ac/dc	200/250



OPERATION

The lamps must be used with a special resistance R as shown in the diagram. This resistance must be of sufficient capacity to carry 2 amp. continuously for Mercury, Cadmium and Cadmium-Mercury lamps and 1.3 amp. for Sodium lamps.

CIRCUIT

The value of R is given approximately by the following relation :—

SL/D Sodium Lamps $R = \frac{E-20}{1.3}$ ohms. where E = supply volts.
 e.g. E = 150v. R = 100 ohms.
 E = 240v. R = 169 ohms.

ML/D Mercury
 CML/D Cadmium-Mercury
 CL/D Cadmium Lamps } $R = \frac{E-30}{2}$ ohms. where E = supply volts.
 e.g. E = 240v. R = 105 ohms.

TO START LAMP :

Close switch A, close switch B and adjust R until current indicated on the ammeter A is 1.3 amp. for Sodium Lamps, 2 amp. for Mercury, Cadmium-Mercury and Cadmium Lamps. When filaments are glowing brightly, open Switch A and readjust R if necessary to correct current value. A few minutes are required for the lamp to reach full brightness.

BURNING POSITION :

All types are designed for operation in the base-down position.

The General Electric Company Ltd., of England