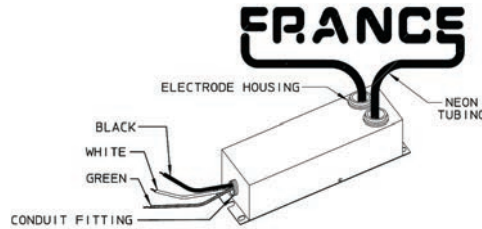


PBKMG Installation Instructions



xb60799 08/08/08

This Neon Transformer is Damp or Dry Type 5 and is suitable for use only in dry and damp locations.

The transformer lead, Black (120 VAC line) or Red (277 VAC line), White (Neutral), and Green (Ground), are to be run through conduit or directly to a junction box, and are to be connected to the Line, Neutral, and Ground service leads. Tubing electrodes connect to the transformer through its integral electrode receptacles. This transformer may be used only where the neon tubing load between the integral neon supply electrode receptacles either is continuous or, for more than one segment of tubing, utilizes lampholders rated over 1000 V of the lamp-to-lamp type for interconnecting neon tubing segments. GTO cable, sleeved or otherwise, shall not be acceptable for interconnecting neon tubing segments in any part of the secondary or output circuit. The transformer, neon tubing, and electrode receptacles must be protected by the sign enclosure.



LUMINOUS TUBE FOOTAGE CHART

TRANSFORMER RATING		Approximate Number of Feet of Tubing Operated ¹																
Secondary Voltage V	Short-Circuit Current mA	Clear or Fluorescent Red Neon (Also Recommended for Neon Fluorescent Gold Tube Size, Millimeters)								Clear or Fluorescent Mercury Filled Tubes All Colors (All Enclosed Applications) ² Tube Size, Millimeters								Secondary Voltage V
		18	15	14	13	12	11	10	9	18	15	14	13	12	11	10	9	
15,000	30/60	72	60	54	50	45	40	36	32	80	72	64	60	54	48	44	39	15,000
12,000	30/60	55	45	42	39	35	32	29	26	62	55	50	46	42	38	35	31	12,000
10,500	30/60	48	39	36	34	31	28	25	22	54	48	43	40	37	33	30	27	10,500
9,000	30/60	40	33	30	29	26	24	21	18	45	40	36	33	31	26	25	22	9,000
7,500	30/60	28	26	24	22	21	19	17	15	35	31	28	27	25	23	20	18	7,500
6,000	30/60	23	20	19	18	16	15	13	12	26	24	23	21	19	18	16	14	6,000
5,000	30/60	19	17	16	15	12	11	10	8	23	20	19	16	15	13	12	10	5,000
4,000	30/60	16	13	12	11	10	9	8	7	19	16	14	13	12	10	9	8	4,000
3,000	30/60	11	10	9	9	8	7	6	5	14	12	11	10	9	8	7	6	3,000
Recommended Gas Pressure mm/Hg		8	9	10	10	11	12	13	15	8	9	10	10	11	12	13	15	

(1) Based on average grade. (2) All enclosed applications. Exposed and extremely cold climates may require footage be reduced by 10-20%.

NOTE 1: Deduct approximately 1 foot from above figures for each pair of electrodes.

NOTE 2: Recommended gas pressure for 10-ft plus lengths. Increase 10% for tube lengths under 10 ft.

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