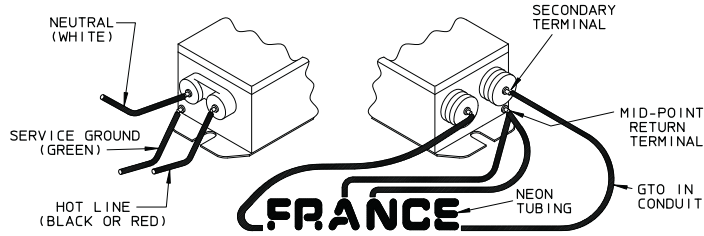


P2G Installation Instructions



This Neon Transformer is Damp Type 2 and is suitable only for dry & damp locations. Run the supply service leads through conduit into the compartment or channel housing of the transformer. Connect the Line and Neutral service leads to the respective Transformer Line and Neutral terminals. The green ground lead must be connected to the sign or transformer box, then connect the sign or transformer box to the transformer SERVICE GROUND terminal. Run the GTO leads from the Neon Tubing Electrodes through separate conduit into the Transformer compartment or channel. Connect the GTO leads to the Transformer Secondary Terminals. If used, the midpoint of the Neon tubing of a midpoint return sign must be connected to the midpoint Return terminal (NOT the Service Ground) by running GTO leads through conduit in the same manner as the high voltage GTO leads. The "Return" Terminal leads are not limited to UL48 output lead length restrictions. (The midpoint RETURN terminal must not be connected to ground).

xb60715 08/08/08



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	
7,500	30/60	28	26	24	22	21	19	17	15	35	31	28	27	25	23	20	18	
6,000	30/60	23	20	19	18	16	15	13	12	26	24	23	21	19	18	16	14	
5,000	30/60	19	17	16	15	12	11	10	8	23	20	19	16	15	13	12	10	
4,000	30/60	16	13	12	11	10	9	8	7	19	16	14	13	12	10	9	8	
3,000	30/60	11	10	9	9	8	7	6	5	14	12	11	10	9	8	7	6	
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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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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BACK OF CARD

Drawing No.: xb60715

Rev. Date: 08/08/08