

Bulletin VTL 3-A

Typical applications for these couplers are SCR and Triac turn-on, telephone interconnect circuits, noiseless audio switches, remote low voltage control and automatic gain control.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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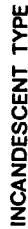
^{††}Available in dual cell version; add /2 e.g. VTL3431/2, to part no. Un-resistance of each side is increased 50% and voltage rating is reduced to half.

POWER

LEON TYPES-EXTERNAL LIMIT RESISTOR REQ'D. (2)
SPECIFICATIONS @ 25°C

LAMP	PHOTOCELL
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resistance of each side is increased 50% and voltage rating is reduced to half.



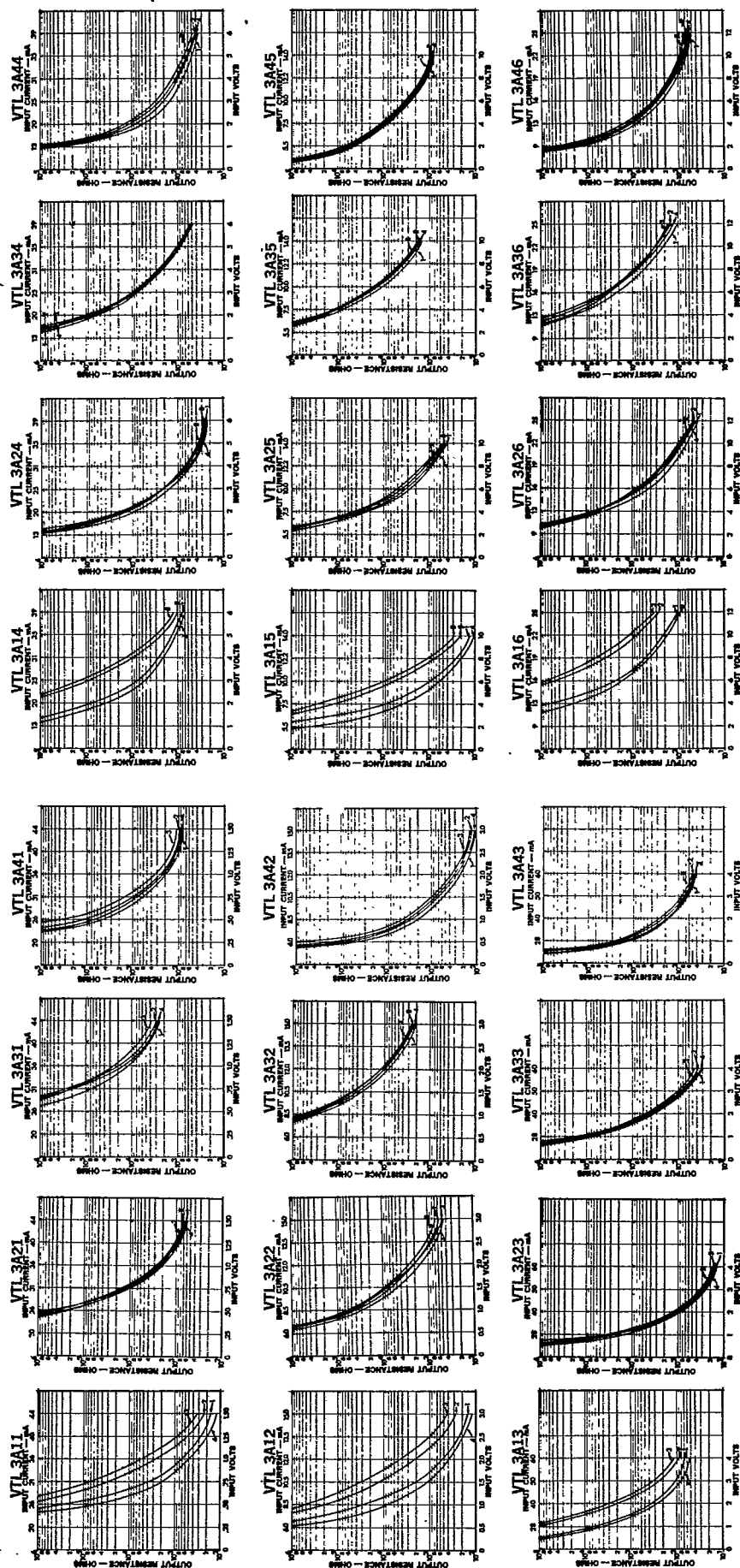
(1) **INCANDESCENT LAMPS:** These lamps may be operated on dc or ac voltage.

- turnout rate. The time required for the neon lamp to turnoff depends upon the ratio of peak applied voltage to lamp breakdown in total darkness. The initial time to breakdown after dark storage is somewhat longer than the reionization time. The ac initial breakdown time is longer than the dc initial breakdown time. Typical initial ionization time on dc is 20-50 milliseconds and 100 milliseconds on ac at the minimum recommended voltages. Reionization time depends upon the rate of respiration of voltage and is negligible at 60Hz. Initial ionization time is not included in neon ascent time.

25

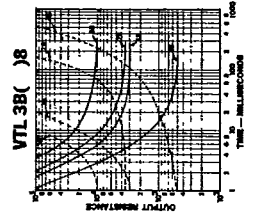
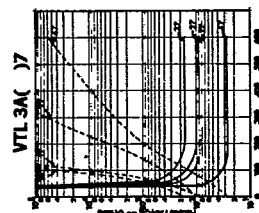
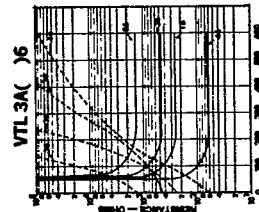
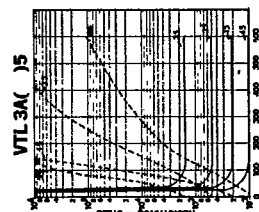
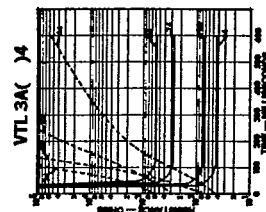
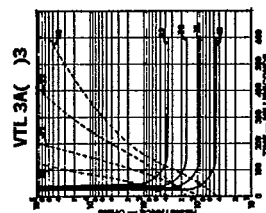
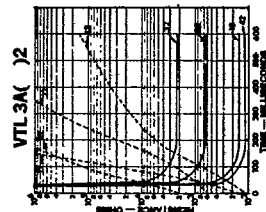
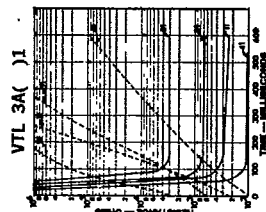
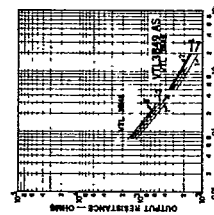
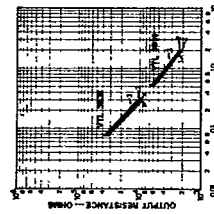
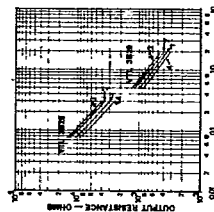
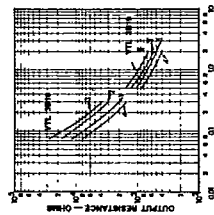
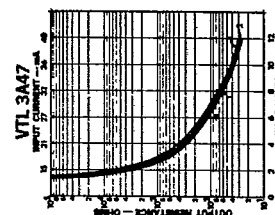
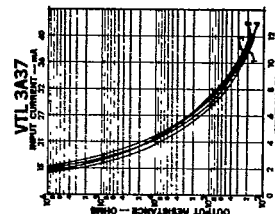
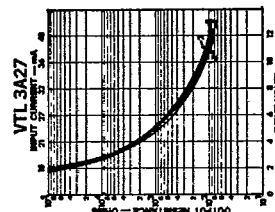
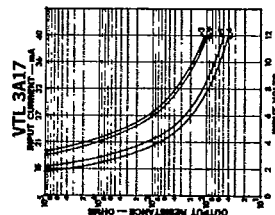
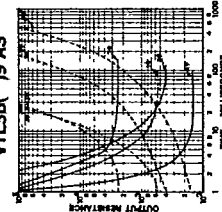
Bulletin VTL 3-A

OUTPUT RESISTANCE VS. INPUT VOLTAGE/CURRENT



OUTPUT RESISTANCE VS TIME AFTER APPLICATION (RISE) OR REMOVAL (DECAY) OF INPUT

BULLETIN VTL3-A

VTL3B()9 AS
VTL3B()9 AS

NOTES:

1. Incandescent lamp ascent times are reduced 25-30 ms for rapid reapplication of the lamp voltage. The ascent times shown on these graphs are based upon low lamp source impedance.
2. Ascent time for units using neon lamps are based on zero ionization time.
3. Response time characteristics are based upon tests following adapt condition (2).
4. Rise times shown in solid lines, decay times are dashed lines.

NOTES:

1. All curves are typical.
2. Where guaranteed transfer characteristics are required over a range of input conditions, please consult the factory.
3. The output transfer curves, show the output resistance vs. input voltage and current after the following adapt conditions:
 - (1) 25°C — 24 hour no input
 - (2) 25°C — 24 hour at rated input
 - (3) 50°C — 24 hour at rated input
 - (4) -20°C — 24 hour at rated input