

Knightronix KnightLighter™ 24VAC Gaslight Igniter - Transformer Selection

TRANSFORMER MAKE/TYPE	MODEL #	INPUT		OUTPUT			NUMBER OF IGNITERS SAFELY OPERATED
		VOLTS	HZ	VAC	Amps	VA (Watts)	#
KNIGHTRONIX 24VAC 5VA Class 2	KNXFMR-24V-5VA-200	110/120	60	24	200mA	5	2
Legendary Lighting 24-Volt Transformer (20VA)	TR2420	110/120	60	24	.833	20	8
Legendary Lighting 24-Volt Transformer (40VA)	TR2440	110/120	60	24	1.67	40	16
Generic Class 2 (30VA)	N/A	110/120	60	24	1.25	30	12
Generic Class 2 (40VA)	N/A	110/120	60	24	1.67	40	16
Generic Class 2 (50VA)	N/A	110/120	60	24	2.08	50	20

HOOK-UP NOTES

*A 24VAC transformer is required for the installation of the KnightLighter™ Gaslight Igniter.

*Each igniter uses 100mA (.1 A)

*Each igniter requires 2.4VA

*1 Watt = 1 Volt Ampere (VA)

*VA = Volts (V) x Amps (A)

To determine the current output of transformer, use the following formula: $VA / V = \text{Amps}$

Example using 20VA Transformer:

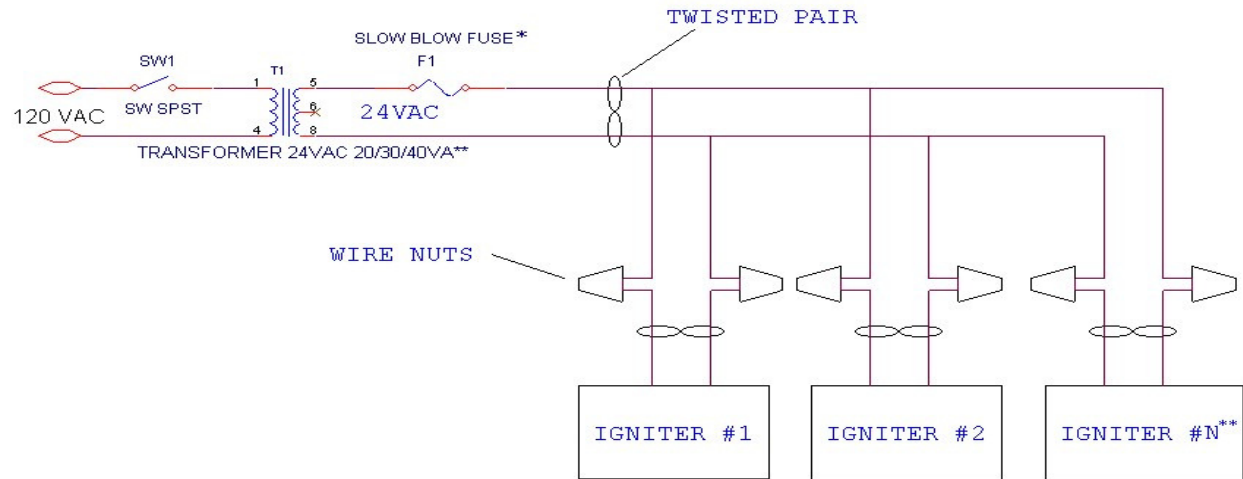
$$20VA / 24V = .833 \text{ amps}$$

Number of igniters you can safely install per transformer is figured by dividing the Amps Out from the transformer by the Amps required by each igniter.

Example:

$$.833 \text{ Amps} / .100 \text{ Amps (per igniter)} = 8 \text{ igniters per transformer}$$

MODEL: KNA1-24A-S HOOKUP DIAGRAM



*Add current limiting fuse if transformer does not have internal fuse.

**Number (N) of igniters is determined by size of transformer; see 24VAC Igniter Transformer Selection chart.