

DESCRIPTION

Simmons signs produce optional 24V AC extra low Voltage supply systems for many of the products in our range.

Offering lower installation costs and enhanced safety, the move to low Voltage offers many advantages over traditional 240V systems.

- 24 Volt AC operation
- Lower installation cost.
- Quicker installation with less disruption to, and from traffic.
- Enhanced safety for public and maintenance engineers.
- Transformers provide thermal protection.

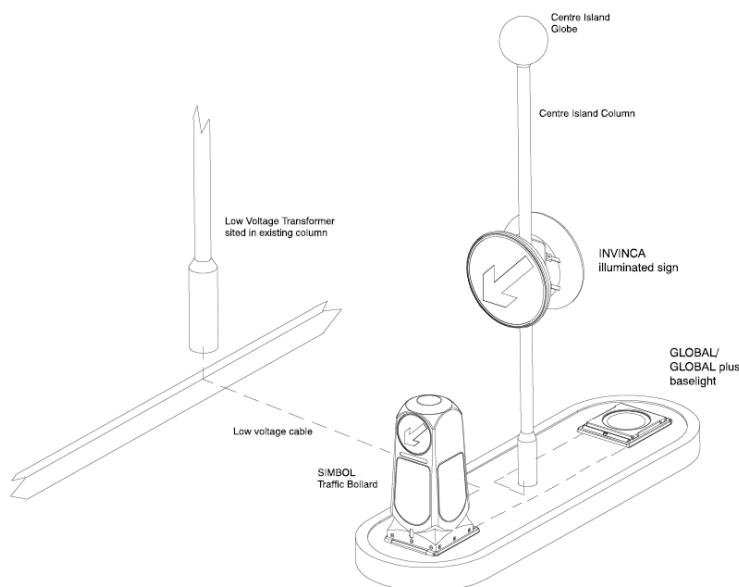


Installation Schematic

The system features a range of 24 Volt AC mains transformers capable of driving loads up to 240 watts.

The transformer can be easily located adjacent to an existing 240 Volt supply on the side of the road such as in a column base or feeder pillar.

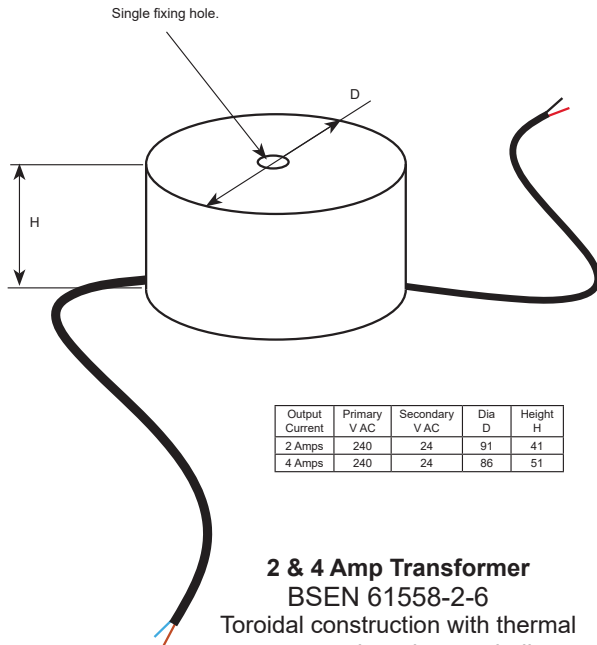
A low Voltage cable is then run to the 24 Volt installation allowing for road slitting rather than excavation, thus saving time and cost.



Example 24 Volt installation

Please see product data sheets for equipment details.

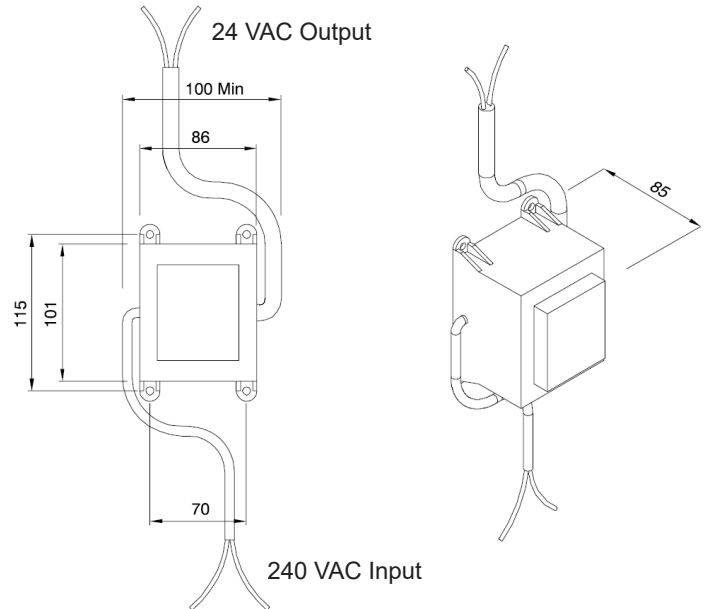
DIMENSIONS



Output Current	Primary V AC	Secondary V AC	Dia D	Height H
2 Amps	240	24	91	41
4 Amps	240	24	86	51

2 & 4 Amp Transformer
BSEN 61558-2-6

Toroidal construction with thermal cut-out on the primary winding (requires power down to re-set)



10 Amp Transformer
BSEN 61558-2-6

E-I construction with thermal cut-out on the primary winding (requires power down to re-set)

CABLE SELECTOR

How to use the cable selector :

Select the equipment and calculate the total watts in the circuit *. Find this value in the product watts column then look across to the right for the distances (m) each cable will service. The transformer column indicates which transformer is required.

* Individual product power consumption and UMSUG codes can be found on the Simmons signs website.

Trans- former	Product Watts	Cable Section (mm ²)							
		0.5	0.75	1	1.5	2.5	4	6	10
2 A M P	10	180	264	358	536	874	1406	2104	3541
	20	90	132	179	268	437	703	1052	1770
	30	60	88	119	179	291	469	701	1180
	40	45	66	90	134	219	351	526	885
	50	36	53	72	107	175	281	421	708
4 A M P	60	30	44	60	89	146	234	351	590
	70	26	38	51	77	125	201	301	506
	80	23	33	45	67	109	176	263	443
	90	20	29	40	60	97	156	234	393
	100	18	26	36	54	87	141	210	354
10 A M P	110	16	24	33	49	79	128	191	322
	120	15	22	30	45	73	117	175	295
	130	14	20	28	41	67	108	162	272
	140	13	19	26	38	62	100	150	253
	150	12	18	24	36	58	94	140	236
	160	11	17	22	33	55	88	131	221
	170	11	16	21	32	51	83	124	208
	180	10	15	20	30	49	78	117	197
	190	9	14	19	28	46	74	111	186
	200	9	13	18	27	44	70	105	177
	210	9	13	17	26	42	67	100	169
220	8	12	16	24	40	64	96	161	
230	8	11	16	23	38	61	91	154	
240	8	11	15	22	36	59	88	148	
Distance (mtrs)									Max 3V drop.

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