

ICAO Style Earthed Series Isolation Transformers 50 Hz and 60 Hz



Application

Integro FAA Approved Series Isolation Transformers are used to isolate high operating voltages for constant current airfield lights in a series circuit. They are encapsulated and designed to operate efficiently while submerged in water. They are approved to operate between - 55 C and + 65 C and can be installed above ground, in metal cans or direct buried.

Where They are Used

Integro ICAO Style Earthed Series Isolation Transformers are tested in accordance with the FAA L830 (60 Hz) and L831 (50 Hz) specifications per FAA Advisory Circular 150/5345-47. All **Integro** Earthed Transformers undergo 100% Quality Testing which includes visual inspection, ratio testing, heat testing and HIPOT testing.

Design

Integro ICAO Style Earthed Series Isolation Transformers are equipped with an earthed stud for grounding in the field. Although earthed transformers are not listed under FAA guidelines, Integro earthed transformers are manufactured in accordance with L830 (60 Hz) or L831 (50 Hz) specifications.

Design Frequency = 60Hz

Integro Part #	Description	Primary/ Secondary Amps	Weight (in lbs.)
11717-G	10/15W	6.6 / 6.6	3.6
11729-G	20/25W	6.6 / 6.6	3.6
11680-G	30/45W	6.6 / 6.6	4.2
11681-G	30/45W	20 / 6.6	4.2
11682-G	65W	6.6 / 6.6	4.5
11683-G	100W	6.6 / 6.6	8.5
11684-G	100W	20 / 6.6	8.5
11730-G	150W	6.6 / 6.6	8.6
11731-G	150W	20 / 6.6	8.6
11685-G	200W	6.6 / 6.6	10.3
11686-G	200W	20 / 6.6	10.3
11736-G	300W	6.6 / 6.6	11.5
11760-G	300W	20 / 6.6	12.5
11755-G	300W	20 / 20	12.5
11517-G	500W	6.6 / 6.6	18.5
11529-G	500W	20 / 6.6	18.5
11506-G	500W	20 / 20	21.5

Design Frequency = 50Hz

Integro Part #	Description	Primary/ Secondary Amps	Weight (in lbs.)
11732-G	10/15W	6.6 / 6.6	3.6
11733-G	25W	6.6 / 6.6	3.6
11710-G	30/45W	6.6 / 6.6	4.2
11723-G	30/45W	20 / 6.6	4.2
11712-G	65W	6.6 / 6.6	4.5
11713-G	100W	6.6 / 6.6	8.5
11714-G	100W	20 / 6.6	8.5
11734-G	150W	6.6 / 6.6	8.6
11731-G	150W	20 / 6.6	8.6
11715-G	200W	6.6 / 6.6	10.3
11716-G	200W	20 / 6.6	10.3

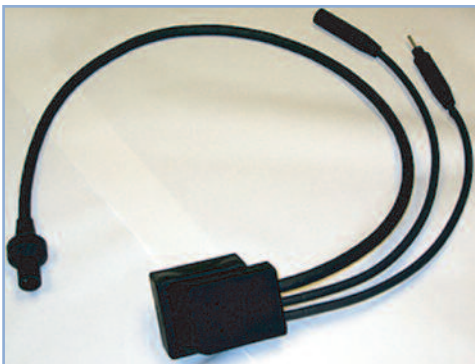
The leads are:

Style 2 – Male Primary Lead on 8/1 cable, 24" long

Style 9 – Female Primary Lead on 8/1 cable, 24" long
(Both leads are rated 25 Amps and 5,000 Volts)

Style 8 – Female Secondary Lead on 12/2 SOW cable,
(rated 20 Amps and 600 Volts), 48" long

LED Transformers



FAA Designation	Integro Part #	Description	Primary/ Secondary Amps	Weight (in lbs.)
L830-16	11717	10/15W	6.6 / 6.6	3.6
L830-17	11729	20/25W	6.6 / 6.6	3.6
Lower	11749	10W	6.6 / 0.4	3.6
Secondary		10W	120V / .350A	3.6
Output		10W	240V / .350A	3.6

Design

Integro Series Isolation LED Transformers are wound for 6.6 Amp primary circuit applications. They are encapsulated in thermoplastic rubber for superior durability and dielectric strength and are manufactured with 2 primary and 1 secondary FAA L-823 listed leads.

Approvals and Testing

Integro Series Isolation LED Transformers are approved to the FAA L-830 specification and are certified by ITS Testing Labs to FAA Advisory Circular 150/5345-47. All **Integro** Transformers undergo 100% Quality Testing which includes visual inspection, ratio testing, heat testing and HIPOT testing after heating and 12 hour soaking.