

Transit Interiors, Inc.
 1975 Joe B. Jackson Pkwy
 Murfreesboro, TN 37127

Tel. (615) 867-8515
 Fax (615) 867-8790
www.PretoriaUSA.com

BALLAST TECHNICAL SPECIFICATION

Ballast Model	BAL-025-XX
Last Spec Sheet Update	12/5/20006
General Description	24Vdc (nominal) <u>Standard</u> electronic ballast for 1 lamp equipped with status indicating LED's
Starting Mode	Instant Start
Lamp(s) per Ballast	1
Lamp(s) Compatibility	F24T12, F36T12, F48T12, F60T12, F72T12
Output Efficiency	Minimum of 80% of full lamp output
Minimum Input Voltage	22Vdc
Normal Input Voltage	28Vdc
Maximum Input Voltage	30Vdc
Output Current	200mA @ 28V Input
Operating Temperature Range	-4° F to 131° F / (-20° C to 55° C)
Maximum Current Draw	1.6A (F72T12)
Maximum Output Power	50 Watt
Output Frequency	65 kHz +/- 5kHz
Transients and Over Voltage Protection	40Vdc
Over Temperature Protection	Integrated PTC Fuse
Reverse Polarity Protection	Integrated PTC Fuse
Output Short Circuit: 24 Vdc	210mA
Short Circuit Protection	30 msec. shutdown with auto restart at tempoary loss of contact
UL 935 Type CC	Yes
FCC Part 18	Yes
Environmental Protection	Conformal coating against air pollution, moisture and humidity
Green LED Indicator	Green LED on indicates that the ballast is functioning properly
Red LED Indicator	Red LED on indicates a ballast malfunction
Other Features	5 year warranty, non potted, fire proof (steel or aluminum) housing, repairable, recyclable, radio frequency shielded.

BAL-025

BAL-025 meets the requirements for UL935 Type CC; Test Purpose: To determine that the ballast will not cause a harmful arc.

BAL-025 incorporates a PTC (Positive Temperature Coefficient Resettable fuse) which provides protection for:

Reverse polarity - After correcting polarity, ballast will operate.

Over temperature - At 230 degrees F, the PTC fuse will trip. After cooling off, the input power needs to be re-applied for start.

Specifications are subject to change without notice

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INPUT CURRENT TABLE

<u>MODEL / LAMP</u>	<u>F24T12</u>	<u>F36T12</u>	<u>F48T12</u>	<u>F60T12</u>	<u>F72T12</u>
BAL-025	.55A	.70A	.75A	1.25A	1.4A

BALLAST DIAGNOSIS AND LED INDICATORS

<u>Model</u>	<u>Condition</u>	<u>Red LED</u>	<u>Green LED</u>	<u>Operation</u>
BAL-025	Normal	OFF	ON	N/A
	Malfunction	ON	OFF	Turn off power and wait 5 seconds. Restart ballast. If Red LED is still on, replace ballast.

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