

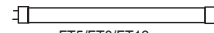
Project _____ Type _____ Model # _____

Remarks _____

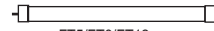
Description: Firehorse Emergency Ballast for use with or without AC ballast designed to add emergency lighting when main AC power is interrupted for minimum of 90 minutes at reduced illumination. The emergency ballast is not intended for general purpose lighting applications. Complies with minimum light output for emergency lighting equipment as per UL 924, supplement "SH". Consult with factory when using EM Ballast with low mercury lamps (TCP).

This Ballast Will Operate Following Lamps.

1 X F14T5, F21T5, F28T5, F25T8, F32T8, F40T8, F48T10VHO(110W), FT24W, FT36W, FT40W, CRT5 40W



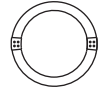
FT5/FT8/FT12



FT5/FT8/FT12



FT/BIAx

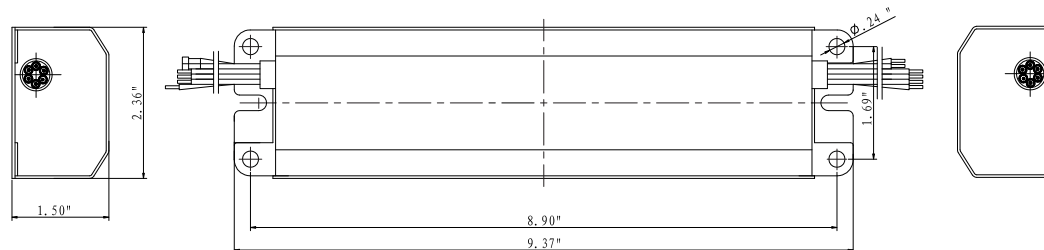
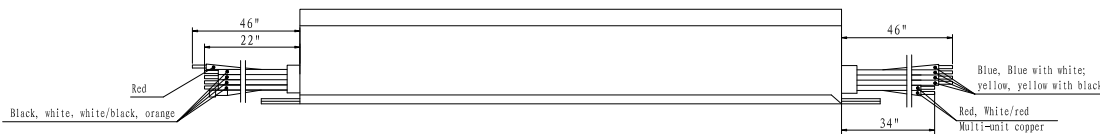


FCRT5

ELECTRICAL DATA

BALLAST TYPE / OUTPUT TYPE	EMERGENCY
INPUT VOLTAGE	120V OR 277V ± 10%, 60 Hz
AC INPUT POWER RATING	2.8W @ 120V, 3.0W @ 277V
AC INPUT CURRENT RATING	300mA
BATTERY TYPE	MAINTENANCE FREE - HIGH TEMPERATURE RECHARGEABLE SEALED NI-CAD
BATTERY VOLTAGE	3.6Vdc
BATTERY CHARGING CURRENT	280mA Max.
BATTERY RATING	14.4Wh
BATTERY CAPACITY	4.0Ah
TEMPERATURE RATING (AMBIENT)	0°C TO 55°C (32°F TO 131°F)
MAX INITIAL LIGHT OUTPUT	450 LUMENS
MINIMUM ILLUMINATION TIME	90 MINUTES
RECHARGE TIME	24 HOURS
TEST SWITCH TYPE	ILLUMINATED TEST SWITCH PILOT LIGHT
CHARGING INDICATOR LIGHT TYPE	LED
CASE PROFILE	9.4"L X 2.4"W X 1.5"H X 8.9" MOUNTING CENTER
CASE WEIGHT	2.2 lbs.
CASE TYPE	VANDAL RESISTANT - SEALED
CASE CONSTRUCTION	PAINTED STEEL
WIRE CONNECTION	STANDARD WIRE LEADS
APPROVAL CLASS	UL / CUL - LISTED FOR DAMP LOCATION - FACTORY OR FIELD INSTALLATION
CODE COMPLIANCE	MEETS OR EXCEEDS UL924 - N.E.C AND NFPA 101 LIFE SAFETY CODE EMERGENCY OPERATING REQUIREMENT
AC COMPATIBILITY	ELECTRONIC FLUORESCENT - STANDARD AND DIMMING
LAMP COMPATIBILITY	FLUORESCENT SINGLE/BI-PIN/4-PIN WITHOUT INTEGRAL STARTER
LUMINAIRE COMPATIBILITY	INDOOR SWITCHED AND UN-SWITCHED TYPE
END OF LIFE (EOL) COMPATIBILITY	YES (TIME DELAY CIRCUIT)
WARRANTY	2 YEARS

MECHANICAL DATA

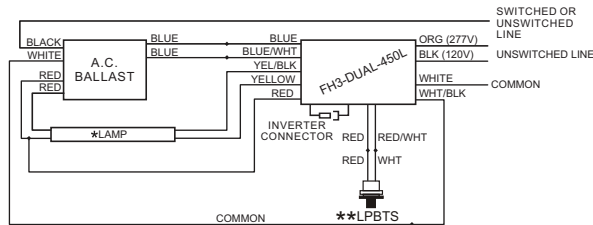


WIRE AND LENGTH				
BLACK	WHITE	WHT/BLK	OG	RED
22"±2"	22"±2"	22"±2"	22"±2"	46"±2"
WHITE and RED(WITH CONNECTOR)				
7.8"±2"				
BLUE	BLUE/WHT	YELL/BLK	YELLOW	
46"±2"	46"±2"	46"±2"	46"±2"	
RED/WHT and RED(Multi-unit copper)				
34"±2"				

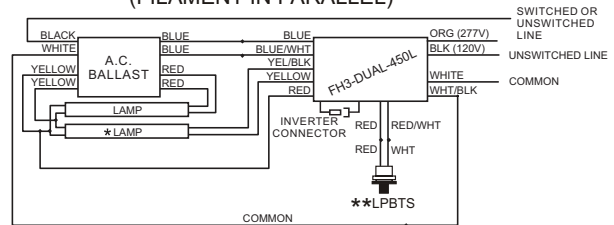
EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM THE SAME BRANCH CIRCUIT
TYPICAL SCHEMATICS ONLY. MAY BE USED WITH OTHER BALLASTS. CONSULT THE FACTORY FOR OTHER WIRING DIAGRAMS.

WIRING DIAGRAMS FOR ONE LAMP EMERGENCY OPERATION

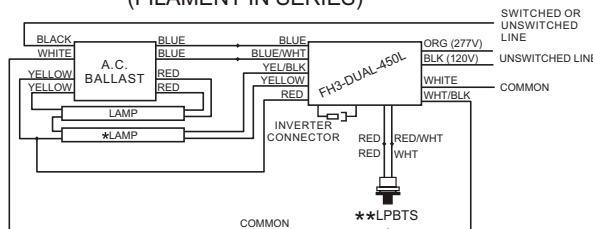
1. ONE LAMP RAPID START BALLAST



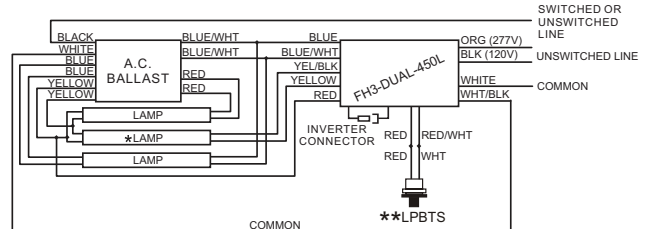
2. TWO LAMP RAPID START BALLAST (FILAMENT IN PARALLEL)



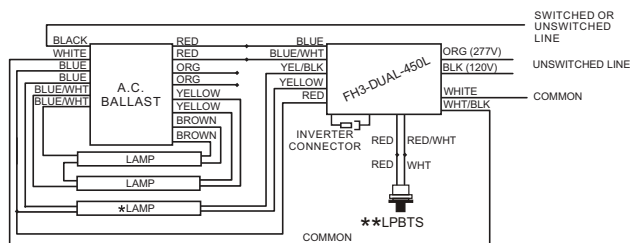
3. TWO LAMP RAPID START BALLAST (FILAMENT IN SERIES)



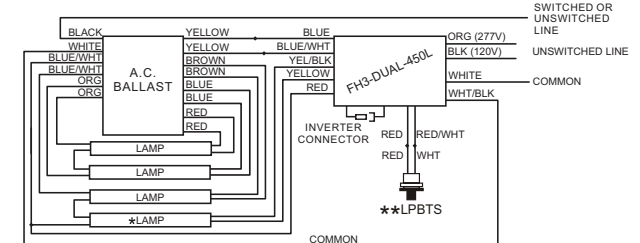
4. THREE LAMP RAPID START BALLAST



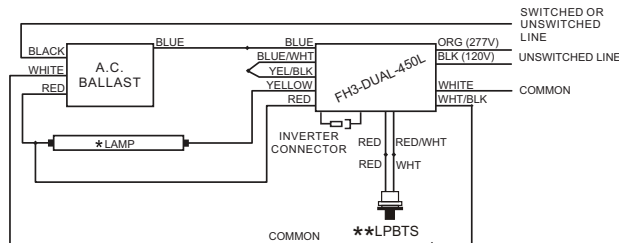
5. THREE LAMP RAPID START BALLAST



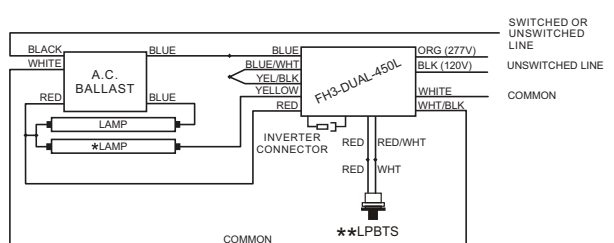
6. FOUR LAMP RAPID START BALLAST



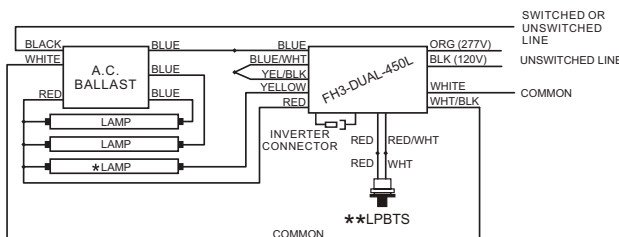
7. ONE LAMP INSTANT START BALLAST



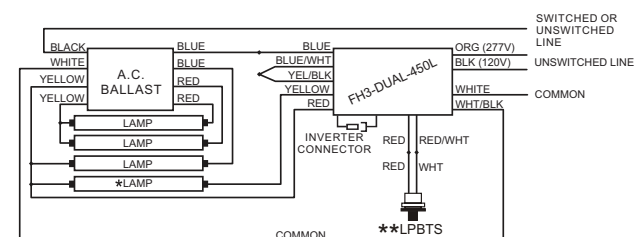
8. TWO LAMP INSTANT START BALLAST



9. THREE LAMP INSTANT START BALLAST



10. FOUR LAMP INSTANT START BALLAST



*AC / EMERGENCY

**LIGHTED PUSH BUTTON TEST SWITCH (LPBTS)

USE PROPER CAPS TO TAP UNUSED LEADS