

AE5 Emergency Power Pack for T5 HE Lamps

Features:

- **AE5** series is the latest emergency power pack module designed for T5 HE lamps which provides 2 hours operating duration under emergency mode
- For use with HF T5 electronic ballasts, with AC operation on T5 HE 14W, 21W, 28W and 35W fluorescent lamps
- Provides permanent cathode heating during emergency operation to minimize filament sputtering that causes lamp blackening
- Equipped with 5-pole changeover technology, ensures maximum compatibility with all HF electronic ballasts from shutdown problem
- AC operation of T5 lamps for optimized lamp life
- Lamp warm-start in emergency operation
- Suitable for fixed output and dimmable electronic ballasts
- Protected against wrong reverse battery polarity connection
- Fitted with a Test Switch allow emergency operation of the single emergency luminaire to be tested by depressing the push button test switch
- Small size in 21mm x 30mm cross sectional dimension that fits into slim T5 luminaire

Specification:

Model Type:	AE5 HE14 3/4C	AE5 HE21-28 3/5C	AE5 HE35 3/6C
Lamp Type:	T5 HE 14W	T5 HE 21W & 28W	T5 HE 35W
Battery Pack Capacity:	C-cell 2.5AH High Temperature NiCd		
Battery Voltage	4.8V	6.0V	7.2V
Operating Duration:	2 hours	2 hours	2 hours
Mains Supply Voltage:	220-240V		
Mains Frequency:	50/60Hz		
Mains Supply Current:	50mA max.		
Power consumption (under steady state):	< 8.0W	< 8.0W	< 8.0W
Recharge period:	24 hours (48hours for first time)		
Nominal Charge Current NiCd:	120mA	120mA	120mA
Nominal Discharge Current at 2 hours duration:	1.0 A	1.0 A	1.0 A
Maximum U-out of ballast used:	460V max.		
Ambient Temperature Range:	+5°C to +50°C		
Max. Case Temperature:	+70°C		
Min. lamp starting temp (Emergency mode)	+5°C		
Ingress protection	IP20		
Casing Dimensions:	260mm (L) x 30mm (W) x 21 mm (H)		

Mechanical Dimensions:

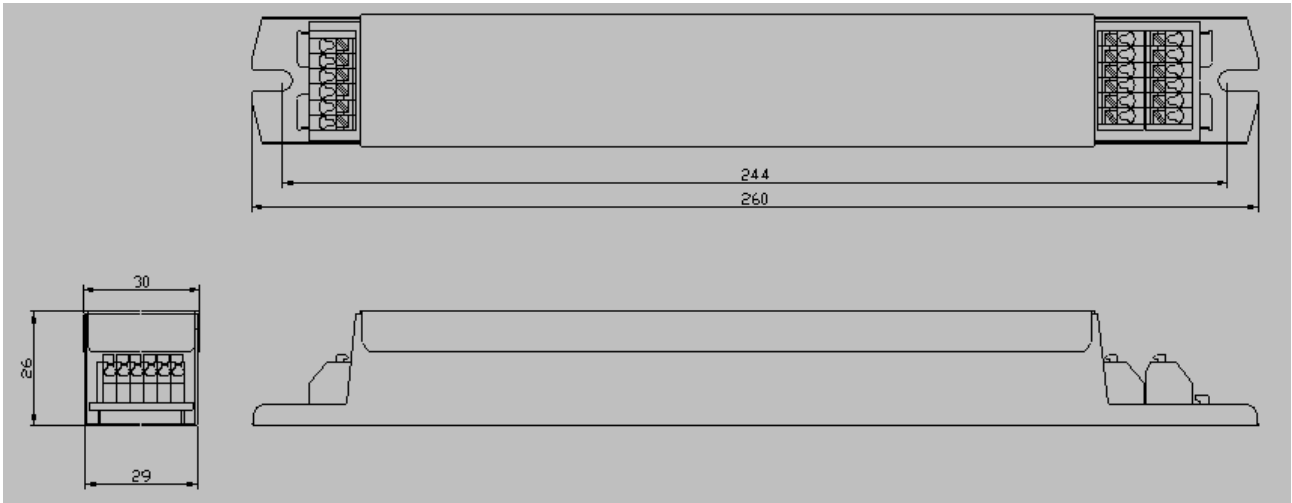
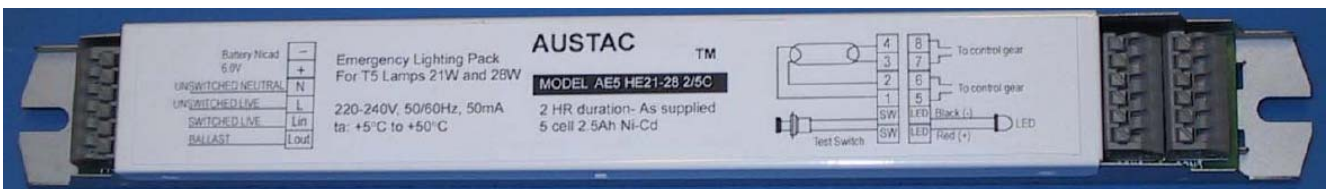


Diagram-1: mechanical outline, 260mm (L) x 30mm (W) x 21 mm (H)



Wiring Diagram:

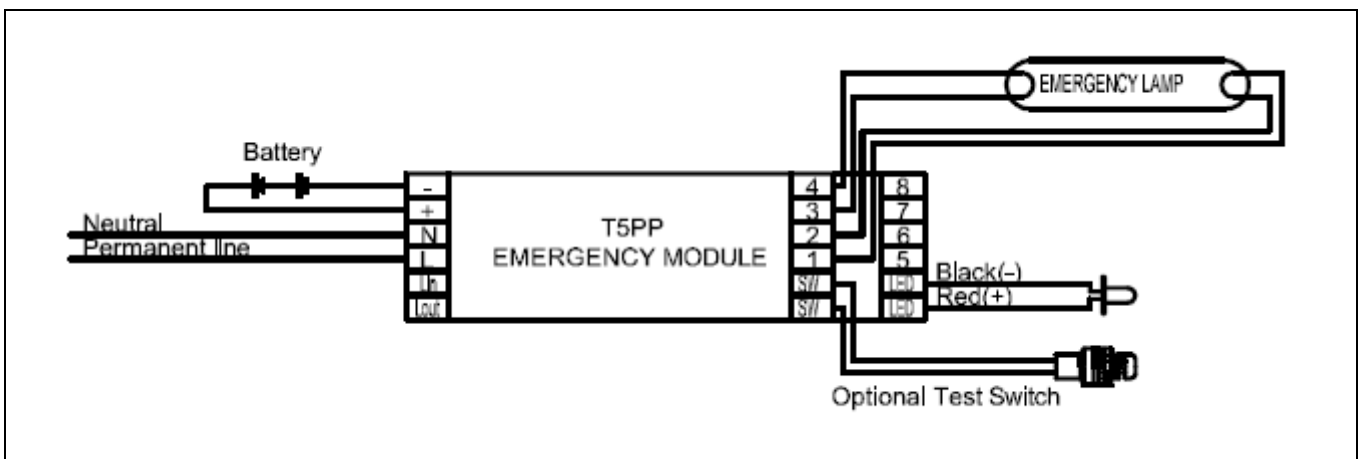


Diagram-2: wiring configuration of AE5 Emergency Power Pack module with single-lamp electronic ballast.

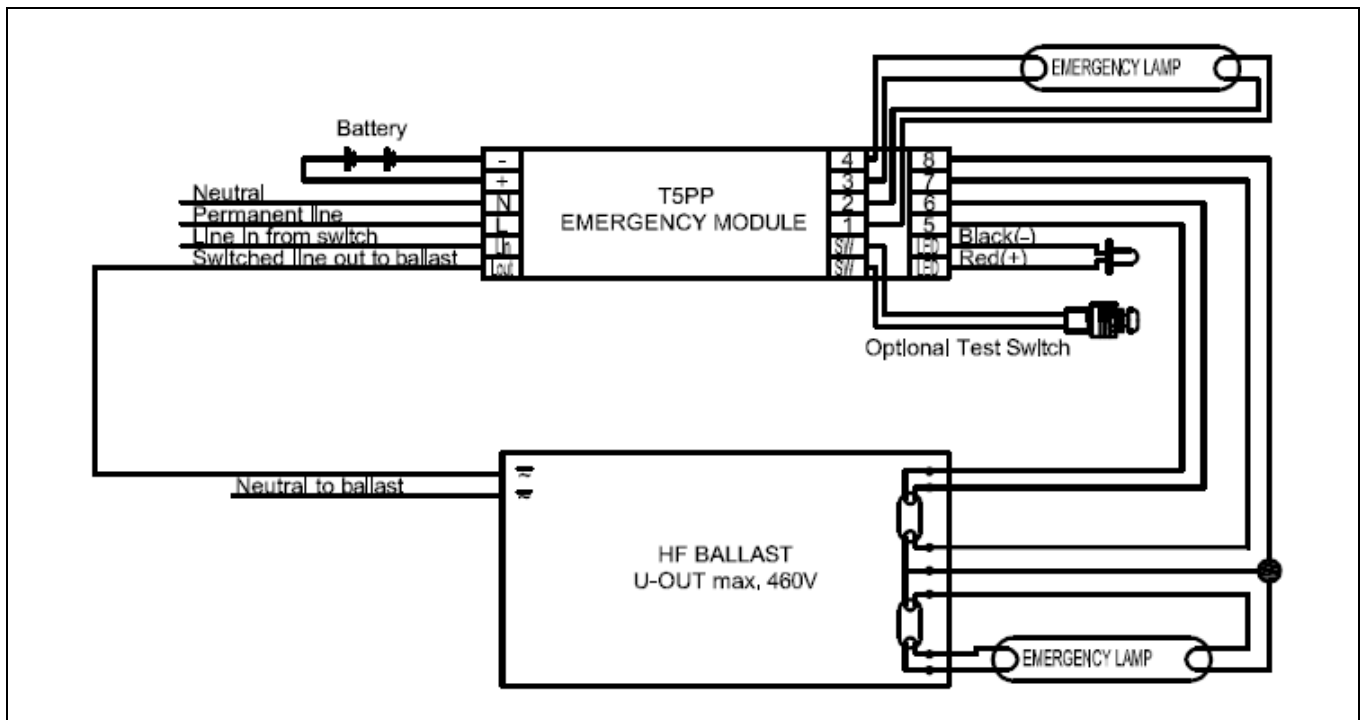


Diagram-3: wiring configuration of AE5 Emergency Power Pack module with double-lamp electronic ballast.

Application guide:

- Install the unit according to National Electric Code;
- To ensure maximum performance of the built-in battery, please fully charge the unit for 24hours after first installation;
- Caution: any improper wiring or short-circuit may lead to permanent damage to the unit;
- Lamp wire should be as short as possible to avoid unnecessary loading to the unit;
- Mount the unit away from any heat source to further prolong service life;
- Please ensure that the operating ambient temperature is below 50°C, and maximum case temperature (tc) not exceeding 70°C;
- Do not throw or drop the unit to avoid damage the internal electronic component;
- Do not operate this unit beyond the operating supply range;
- Do not operate this unit with AC power generator;
- Caution: DO NOT dispose this LED system into fire as it contains built-in battery that may causes serious explosion!