



**COMPREHENSIVE RANGE**  
**T5 Series**

**SELF-CONTAINED EMERGENCY LIGHTING CONVERSION KITS  
MODULES AND SEALED NICKEL CADMIUM (Ni-CD) BATTERY PACKS FOR  
2 AND 3 HOURS DURATION - MAINTAINED TYPE**

兩小時及三小時應急電池套件 - 長明式：包括 電子中樞(轉換/充電器)、鎳鎘電池。

**SPECIFICATION & TECHNICAL DATA**

規格及技術資料

MODEL 套件型號		JF8N2	JF14N2	JF21N2	JF28N2	JF35N2
Wattage 適用瓦數	(W)	8W	14W	21W	28W	35W
Battery Capacity & Voltage 電池容量及電壓		5x1.8AH, 6V	5x1.8AH, 6V	8x1.8AH, 9.6V	8x1.8AH, 9.6V	8x2.5AH, 9.6V
Battery Configuration 電池排列方式		Side by side pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V (+ / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		100 lumens	270 lumens	420 lumens	580 lumens	730 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C -55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

MODEL 套件型號		JF8N3	JF14N3	JF21N3	JF28N3	JF35N3
Wattage 適用瓦數	(W)	8W	14W	21W	28W	35W
Battery Capacity & Voltage 電池容量及電壓		5x2.5AH, 6V	5x2.5AH, 6V	8x2.5AH, 9.6V	8x2.5AH, 9.6V	8x4AH, 9.6V
Battery Configuration 電池排列方式		Side by side or Stick pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V (+ / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		100 lumens	270 lumens	420 lumens	580 lumens	730 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours for 2 hours discharge, 24 hours discharge for 3 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

Option: Emergency conversion units are modified to suit for A.C. 110V.



ISO9001:2008  
Certificate No.FMS6403



JF14N2



JF14N3



JF28N2



JF28N3

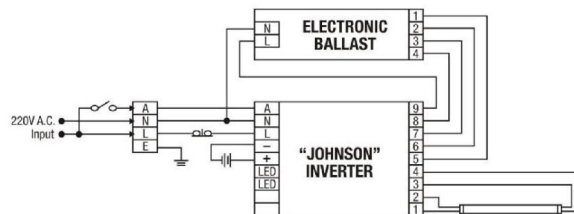


JF35N2



JF35N3

Wiring Diagram:





**EXTRA 30 RANGE  
T5 Series**

**SELF-CONTAINED EMERGENCY LIGHTING CONVERSION KITS  
MODULES AND SEALED NICKEL CADMIUM (Ni-CD) BATTERY PACKS FOR  
2 AND 3 HOURS DURATION - MAINTAINED TYPE**

兩小時及三小時應急電池套件 - 長明式：包括 電子中樞(轉換/充電器)、鎳鎘電池。

**SPECIFICATION & TECHNICAL DATA**

規格及技術資料

MODEL 套件型號		JF8N2-30P	JF14N2-30P	JF21N2-30P	JF28N2-30P	JF35N2-30P
Wattage 適用瓦數	(W)	8W	14W	21W	28W	35W
Battery Capacity & Voltage 電池容量及電壓		5x2.5AH, 6V	8x2.5AH, 9.6V	10x2.5AH, 12V	10x2.5AH, 12V	15x2.5AH, 18V
Battery Configuration 電池排列方式		Side by side pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V (+ / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		150 lumens	425 lumens	650 lumens	880 lumens	1100 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

MODEL 套件型號		JF8N3-30P	JF14N3-30P	JF21N3-30P	JF28N3-30P	JF35N3-30P
Wattage 適用瓦數	(W)	8W	14W	21W	28W	35W
Battery Capacity & Voltage 電池容量及電壓		5x4AH, 6V	8x4AH, 9.6V	10x4AH, 12V	10x4AH, 12V	15x4AH, 18V
Battery Configuration 電池排列方式		Side by side or Stick pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V (+ / - 10%) / 50Hz				
Emergency Output 緊急照明輸出流明		150 lumens	425 lumens	650 lumens	880 lumens	1100 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours for 2 hours discharge, 24 hours discharge for 3 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

Option: Emergency conversion units are modified to suit for A.C. 110V.



JF14N2-30P



JF28N2-30P



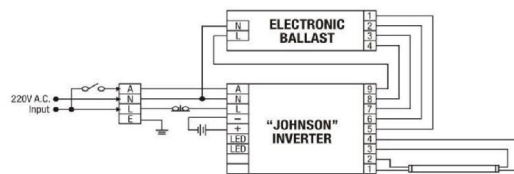
JF14N3-30P



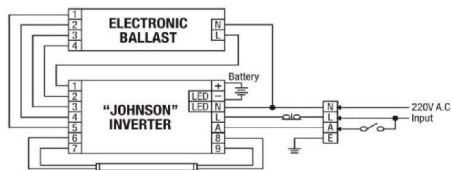
JF28N3-30P

Wiring Diagram:

6V, 9.6V, 12V Electronic Ballast (電子牛)



18V Electronic Ballast (電子牛)





**EXTRA 50 RANGE  
T5 Series**

**SELF-CONTAINED EMERGENCY LIGHTING CONVERSION KITS  
MODULES AND SEALED NICKEL CADMIUM (Ni-CD) BATTERY PACKS FOR  
2 AND 3 HOURS DURATION - MAINTAINED TYPE**

兩小時及三小時應急電池套件 - 長明式：包括 電子中樞(轉換/充電器)、鎳鎘電池。

**SPECIFICATION & TECHNICAL DATA**

規格及技術資料

MODEL 套件型號		JF8N2-50P	JF14N2-50P	JF21N2-50P	JF28N2-50P	JF35N2-50P
Wattage 適用瓦數	(W)	8W	14W	21W	28W	35W
Battery Capacity & Voltage 電池容量及電壓		8x1.8AH, 9.6V	10x2.5AH, 12V	15x2.5AH, 18V	15x2.5AH, 18V	15x2.5AH, 18V
Battery Configuration 電池排列方式		Side by side pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V (+ / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		220 lumens	750 lumens	1100 lumens	1500 lumens	1850 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours for 2 hours discharge, 24 hours discharge for 3 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

MODEL 套件型號		JF8N3-50P	JF14N3-50P	JF21N3-50P	JF28N3-50P	JF35N3-50P
Wattage 適用瓦數	(W)	8W	14W	21W	28W	35W
Battery Capacity & Voltage 電池容量及電壓		8x2.5AH, 9.6V	10x4AH, 12V	15x4AH, 18V	15x4AH, 18V	15x4AH, 18V
Battery Configuration 電池排列方式		Side by side or Stick pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V (+ / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		220 lumens	750 lumens	1100 lumens	1500 lumens	1850 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours for 2 hours discharge, 24 hours discharge for 3 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

Option: Emergency conversion units are modified to suit for A.C. 110V.



JF14N2-50P



JF28N2-50P



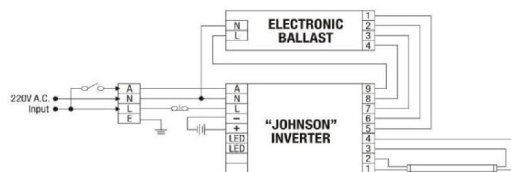
JF14N3-50P



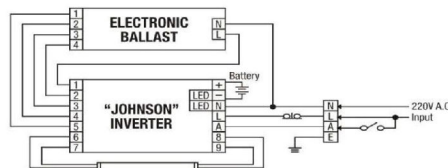
JF28N3-50P

Wiring Diagram:

9.6V, 12V Electronic Ballast (電子牛)



18V Electronic Ballast (電子牛)





**HIGH OUTPUT RANGE**  
**T5 Series**

**SELF-CONTAINED EMERGENCY LIGHTING CONVERSION KITS**  
**MODULES AND SEALED NICKELCADMIUM (NI-CD) BATTERY PACKS FOR**  
**2 AND 3 HOURS DURATION - MAINTAINED TYPE**

兩小時及三小時應急電池套件 - 長明式：包括 電子中樞(轉換/充電器)、鎳鎘電池。

**SPECIFICATION & TECHNICAL DATA**

規格及技術資料

MODEL 套件型號		JF24N2	JF39N2	JF49N2	JF54N2	JF80N2
Wattage 適用瓦數	(W)	24W	39W	49W	54W	80W
Battery Capacity & Voltage 電池容量及電壓		5x2.5AH, 6V	10x2.5AH,12V	10x2.5AH, 12V	10x2.5AH, 12V	10x2.5AH,18V
Battery Configuration 電池排列方式		Side by side or Stick pack				
Main Voltage / Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V ( + / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		450 lumens	800 lumens	900 lumens	900 lumens	1200 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

MODEL 套件型號		JF24N3	JF39N3	JF49N3	JF54N3	JF80N3
Wattage 適用瓦數	(W)	24W	39W	49W	54W	80W
Battery Capacity & Voltage 電池容量及電壓		5x4AH, 6V	10x4AH,12V	10x4AH, 12V	10x4AH, 12V	10x4AH,18V
Battery Configuration 電池排列方式		Side by side or Stick pack				
Main Voltage/ Frequency 市電(交流電)輸入電壓 / 頻率	(V)	A/C 220V ( + / - 10%) / 50Hz				
Emergency Starting Time 套件緊急照明啟動時間	(sec.)	<0.3				
Emergency Output 緊急照明輸出流明		450 lumens	800 lumens	900 lumens	900 lumens	1200 lumens
Operating Frequency 套件運作頻率	(kHz)	25~28				
Operating Temperature 套件運作環境溫度	(ta)	0°C - 55 °C				
Minimum Recharging Time 電池充滿所需時間	(h)	12 hours for 2 hours discharge, 24 hours for 3 hours discharge				
Low Voltage Protection 低壓截止保護線路		Electronic Protection (approx. 1V / cell)				
Compliance To 達致認可標準		BS 5266-1, BS EN 61347-2-7, BS EN 60598-2-22 and FSD PPA/104A(4th Revision)				
Guarantee Period 保用期	(M)	12 months				

Option: Emergency conversion units are modified to suit for A.C. 110V.



JF24N2



JF24N3



JF54N2



JF54N3

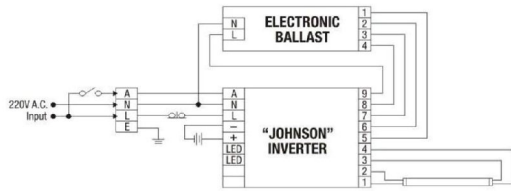


JF80N2

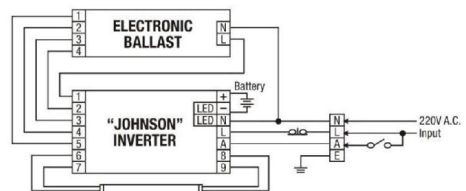


JF80N3

Wiring Diagram:



6V, 12V Electronic Ballast (電子牛)



18V Electronic Ballast (電子牛)