


SEQUENCE OF OPERATIONS

1. Emergency circuits are controlled from the optional UL924 Emergency Bypass. The UL924 configuration jumper is set for "Emergency action Close all relays".
2. Power loss is detected by the UL924.
3. All relays connected to the UL924 are forced ON. UL924 capacitors power emergency relay function. No external power source or input is required for UL924 operation.
4. Relays not connected to the UL924 remain in their present state (On/Off). Lighting Tough Relays (LTR) are mechanical latching type.
5. Generator transfer switch (not located in the relay panel) reacts and allows generator to feed dedicated emergency circuits previously fed by normal (utility) power.
The relays connected to the UL924 are already ON, so the only possible source of delay in emergency lighting is the generator or emergency transfer switch.
6. Dedicated emergency lighting circuits will reman On while emergency power source is applied.
7. Normal power is restored and the emergency transfer switch returns all circuits to normal power.
8. Relays connected to the UL924 will remain On during and after normal power restoration.
9. Relays not connected to the UL924 remain in their present state (On/Off).
10. Normal control of all relays, including relays connected to the UL924, is restored.

Engineering Standards RPDTL_01.30			
Relay Panel Details, UL924 Sequence of Operations			
Rev: 4	Type:	Date: 01-20-15	Job #:
			Engineered: NB
			Drawn: NB
			Checked:
			1 of 1