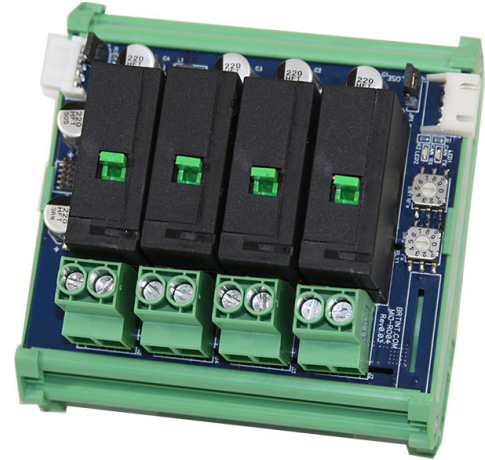


Project	Part Number	Ref.
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RE04 is a Line Voltage Relay Output module with built in Load Status, and UL924 Emergency Power Sequence. RE04 can control up to four independent emergency 120VAC/277VAC 20A single phase circuits utilizing mechanically held SPST latching relays. RE04 is a standard I/O module option for all Panel products. RE04 is combined with other I/O modules via a pluggable CANbus to address specific application requirements. TM03 Termination Module is required for UL924 Sequences. See page-2 for emergency sequence and testing procedure.

- Factory or Remote Mounting
- DIN Rail Mounted
- Resides on CANbus Network
- 4 Relay Outputs w/UL924
- Rotary Dial Addressing
- Remote Configuration



General

Device Type	Class II	Mounting	DIN Rail
Dimensions	3.50" x 3.50"	Weight	8.7 oz
Wire Requirement	See Cabling Data Sheet		

Capacities

Relay Outputs	4	Load Status	4
	120-277VAC, 50/60hz		Minimum Load 40 Watts
	Magnetic Ballast 20A		
	Electronic Ballast 16A		
	Tungsten Ballast 20A		
	Resistive 20A		
	1.5HP @ 120 VAC		

Contact Type: SPST latching with manual override lever

Power

Input	24VDC, 165mA	Output	N/A
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Communication

CANbus		Topology	Daisy Chain
Baud Rate	125kbps		
Address	Rotary, Range 1 - 32		

Environmental

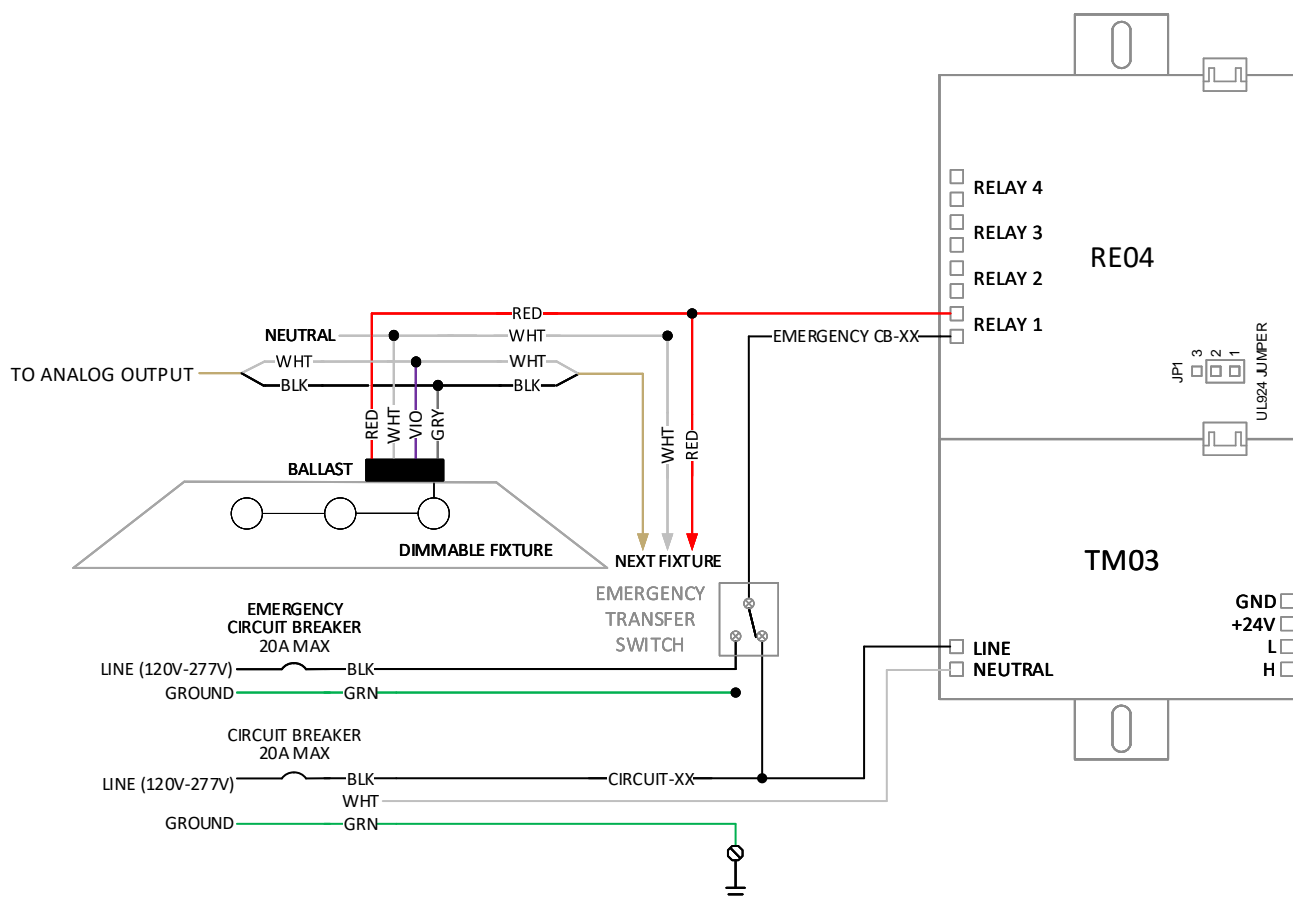
Ambient Temperature	0 - 130 °F	Plenum Rated	Yes
Relative Humidity (non-condensing)	10 - 90%		

Certifications and Listings

U/CL	UL 916, UL 924, 508A	Seismic	2012 ICC-ES AC156, Importance Factor 1.5
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Ordering Information

RE04	Relay Output Module w/Load Status and UL924 on all relays
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SEQUENCE OF OPERATIONS

1. Emergency circuits are controlled from the RE04 module for UL924 Emergency Bypass. The UL924 configuration jumper is set for "Emergency action Close all relays".
2. Power loss is detected by the RE04.
3. All relays connected to the RE04 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 RE04 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 RE04 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 remain 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 RE04 will remain On during and after normal power restoration.
9. Relays not connected to the RE04 remain in their present state (On/Off).
10. Normal control of all relays, including relays connected to the RE04, is restored.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

All Service should be performed by qualified service personnel.

Do not mount near gas or electric heaters.

Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS

Additional installation and application details may found at www.brtint.com, please reference: Control Panel Detail Sheet CPDTL_01.20 and Module Details CL1DTL_01.00