

Project	Part Number	Ref.
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RE224 is a combination module that provides a compact I/O for highly distributed applications that require UL924 Emergency control. RE224 includes Line Voltage Relay Outputs utilizing mechanically held SPST latching relays, Load Status, and 0-10v Analog Outputs. RE224 is a standard I/O module option for all CP Products.

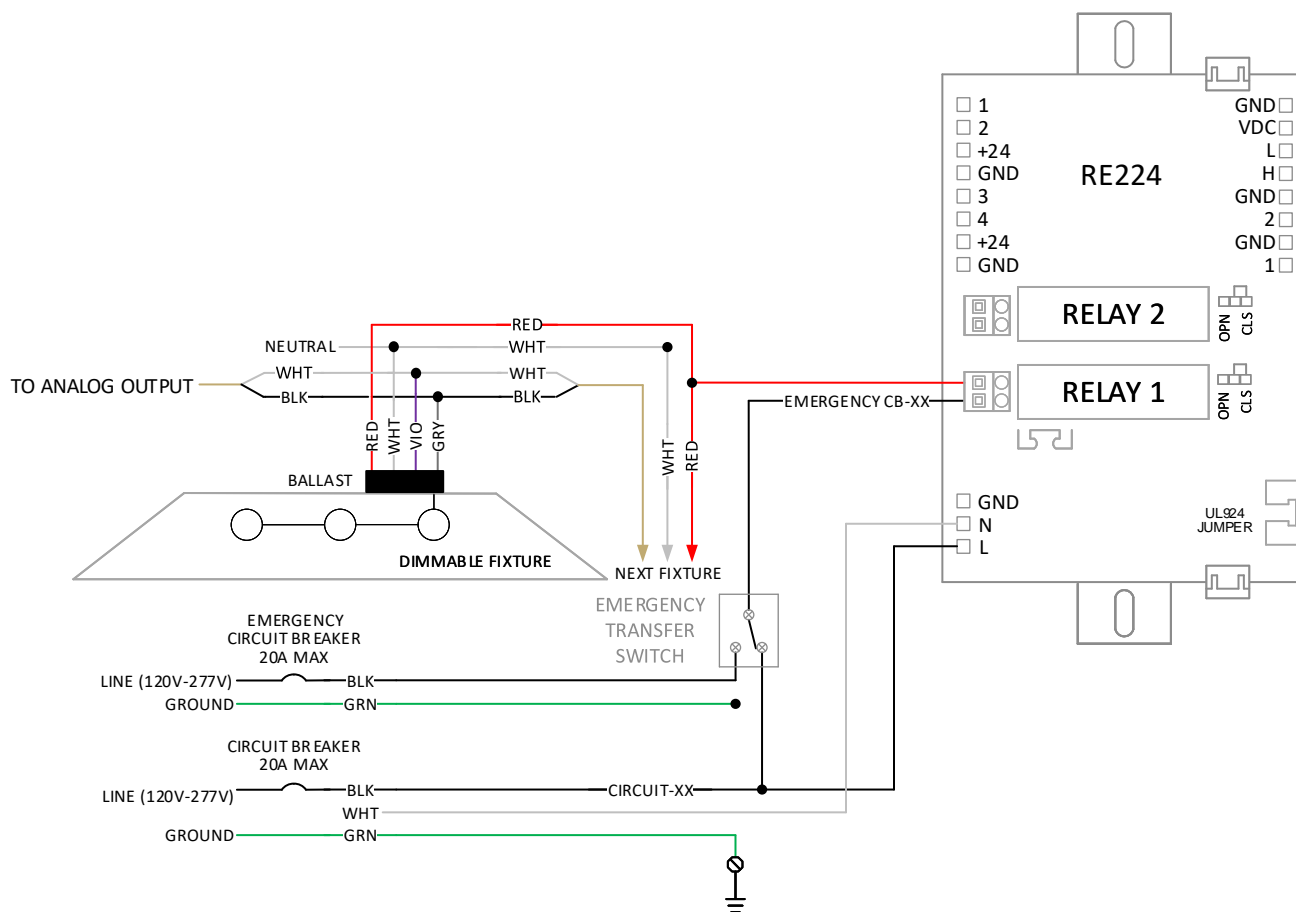


- Factory or Remote Mounting
- DIN Rail Mounted
- Resides on CANbus Network
- Rotary Dial Addressing
- Remote Configuration
- UL924 Emergency Control

General			
Device Type	Class I, Class II	Mounting	DIN Rail
Dimensions	2.75" x 3.50"	Weight	4.1 oz
Wire	See Cabling Data Sheet		
Capacities			
Relay Outputs	2 120-277VAC, 50/60hz Magnetic Ballast 20A Electronic Ballast 16A Tungsten Ballast 20A Resistive 20A 1.5HP @ 120 VAC	Load Status	2 Minimum Load 40 Watts
Analog Outputs 0-10 Vdc	Terminals (2) 14-10 AWG, (1) 8 AWG 2 Terminals 30 AWG Min, 16 AWG Max	Universal Inputs	4 Terminals 30 AWG Min, 16 AWG Max
Communication			
CANbus Baud Rate Address	125kbps Rotary, Range 1-32	Topology	Daisy Chain
Compatibility			
Digital Input	24 Vdc Wet	Analog Input	0-10 Vdc, 4-20 mA
Environmental			
Ambient Temperature	0 - 130 °F	Plenum Rated	Yes
Relative Humidity (non-condensing)	10 - 90%		
Certifications			
UL BTL	UL916, UL508A Listed US/Canada Listed	Seismic	2012 ICC-ES AC156, Importance Factor 1.5

Ordering Information

RE224	UL924 Combination I/O Module
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SEQUENCE OF OPERATIONS

1. Emergency circuits are controlled from the RE224 module for UL924 Emergency Bypass. The UL924 configuration jumper is set for "Emergency action Close all relays".
2. Power loss is detected by the RE224 .
3. All relays connected to the RE224 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 RE224 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 RE224 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 RE224 will remain On during and after normal power restoration.
9. Relays not connected to the RE224 remain in their present state (On/Off).
10. Normal control of all relays, including relays connected to the RE224, 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