

861H

Solid State Relay

Patent pending

CERTIFIED



CLASS 1 DIVISION 2

Class 1, Division 2 Certification
UL approves relay for use in hazardous locations

Solid State Circuitry
Involves no moving parts

LED Input Indication
Indicates power is present at the input terminals

Internal Heat Sink
Provides factory tested thermal dissipation

Internal Snubber
Protects relay from transients

Finger-Safe
Protects operators from live circuits

Din & Panel Mounting
Provides flexibility to installer

The 861H is the first complete solid state relay approved for use in hazardous locations. Patent pending.



AN INDUSTRY FIRST!



861H Solid State Relay

FEATURE	ADVANTAGE	BENEFIT
Class 1, Division 2 certification	UL approves relay for use in hazardous locations	Intrinsically safe and eliminates the need for 3rd party certification
Solid state circuitry	Involves no moving parts	Extends product life, increases reliability and enables silent operation
Optically coupled circuit	Provides isolation between input and output circuits	Prevents damage to external equipment
Internal snubber	Protects relay's internal circuit from high voltage transients	Increases reliability of the relay
Internal heat sink	Provides factory-tested thermal management	Eliminates the need to do complex heat sink calculations
Finger-safe terminals	Prevents operator from touching live circuits	Increases safety in work environment
Din and panel mounting	Increases functionality and ease of use	Fits a variety of applications

Class 1, Division 2 Certified Products

Class 1, Division 2 is a standard which was developed by American National Standards Institute (ANSI) to provide requirements for the design and construction of electrical equipment and parts that will be used in hazardous locations. Certified components, when used properly, are not capable of igniting the surrounding atmosphere.

Class 1, Division 2 components may be required in environments which have specific flammable gases, combustible dust or fibers; that can ignite. The 861H SSR carries a Class 1, Division 2 Categories A, B, C, and D approval from Underwriters Laboratories®.



Applications



Oil & Gas

- Burner Assemblies
- Chemical Injection Systems
- Extraction Machines
- Refining Machines
- Solenoid Control



Mining

- Blower Control
- Motorized Duct/Vent Control
- Drill Control
- Explosive Control
- Mineral Extractors



Food & Beverage

- Anti-Condensation Equipment
- Compressor Control
- Commercial/Industrial Cooking Equipment
- Filtration Systems



Medical Equipment

- High Reliability
- Lifts & Escalators
- Low Switching Noise
- Low Electromagnetic Interference
- Automatic Door Operation



Packaging Machinery

- Conveyor Motors
- Heaters
- Product/Shrink Wrap
- Solenoid Control