

IMES RELAY INPUT CONTROL MODULE

The **IMES Relay Input Module** is a reliable and adaptable interface device designed to monitor external systems and equipment within a fire alarm network. By receiving dry contact signals from third-party devices such as generator panels, fire pump controllers, or damper position switches, the module ensures accurate status reporting and smooth integration into fire alarm control panels.

Key Features:

- **Multiple Supervised Inputs:** Monitors multiple contact-based devices, providing real-time status updates and ensuring comprehensive system awareness.
- **System Integration:** Interfaces external systems with the fire alarm panel to support coordinated emergency actions and centralized monitoring.
- **LED Status Indicators:** Built-in LEDs display input activity for quick verification, diagnostics, and maintenance.
- **Compact, Durable Design:** Designed for space-efficient installation in various environments, with rugged construction for long-term reliability.

Applications:

- Generator start/failure monitoring
- Fire pump status feedback
- Smoke/fire damper position monitoring
- Battery or power supply fault reporting
- Emergency shutdown system interfaces

Fast Installation & Configuration:

The IMES Relay Input Module is engineered for intuitive wiring and simple setup, reducing installation time while improving system



Areas of Use	Feature and benefits
<ul style="list-style-type: none">• Power stations and petroleum and gas stations• Commercial Buildings• Hotels• Tank ships and other vessels• Apartment• Storage of oily products• Oil and gas industry• LNG/PNG processing and• Offshore Platforms	<ul style="list-style-type: none">• Automatic and Manual self check for any internal component failure.• Color Status LED• Immune to false alarms• Ultra Fast Response Time• Compatible with all third party systems• Internationally Certified• RS-485 & DIP Switch Address Setting• ES-Rapid Addressable Protocol ©• Robust Construction

Specification	
Operational Characteristics	
Voltage Supply	24 VDC (18-32 VDC)
Power Supply	<350uA on Standby <2mA Alarm Current
Communication	Addressable (ES-Rapid Protocol ©)
Operational Characteristics	
Operating Temperature	0C to +60C.
Built In Test	Automatic & Manual
Humidity Range	10-95% RH (Non condensing)
Relative Humidity	0 to +95% RH
Ingress Protection:	IP42/44
Sensor Type	Relay Input
LED	Normal: Red Blinking; Alarm: Constant RED
Ex Marking	Ex ia IIC T4 Gb
Mechanical Characteristics	
Material	Flame Retardant Polycarbonate
Wiring	12-22 AWG
Weight	125 g

Certification



UL 864 (10th Edition)
Control Units and
Accessories for Fire
Alarm Systems