



Ultima[®] Relay Module

[Expanding the versatility of the Ultima Gas Monitor]

The Ultima Relay Module expands the versatility of any Ultima Gas Monitor. It provides relay contacts for each of the three alarm levels or fault conditions within the Ultima Gas Monitor. It can be connected anywhere along an Ultima Plus Digital Network data line or directly to an individual Ultima Gas Monitor. By utilizing an Ultima Relay Module with a Ultima Plus System, the relay contacts can be activated from any other input to the system, providing tremendous flexibility. The major benefit is wiring installation savings by allowing the Relay Module to be installed close to the device it is intended to actuate.

The Ultima Relay Module will withstand those tough environmental conditions that occur in the field. It uses the same robust NEMA 4X type of enclosure as the Ultima Gas Monitor. If your installation has an explosion-proof equipment requirement, simply follow the National Electrical Code (NEC) guidelines for installing equipment in a hazardous area. There is no need to change or modify the Ultima Relay Module enclosure. It is rated for Class 1, Division 1, Groups B, C & D.

Features

- Easy to install, operate and maintain
- Three alarm relay outputs
- Normally energized fault relay
- Alarm, Status and Fault LED Indications
- Latching or non-latching alarm operation
- Up to eight (8) inputs to each relay when used with an Ultima **Plus** Digital Network
- NEMA 4X and explosion-proof installation ratings

Benefits

- Saves you money. Many sites need to have strobes, beacons, horns or other warning or alarm devices to alert personnel. These devices can be directly activated by the Ultima Relay Module. This saves you money by lowering your wiring, installation, and maintenance costs because there is no need to route the

Ultima Gas Monitor to a control panel.

- Simplifies the total gas detection system. In fact, by using the Ultima Relay Module with the Ultima Gas Monitor a complete, operational gas detection system can be achieved.

Operation

The Ultima Relay Module is factory configured, ready to connect to any Ultima Gas Monitor. There is no need, in most installations, to open the module for wiring or mounting. A wiring harness is provided for ease of installation. Simply connect the Ultima Relay Module to an Ultima Gas Monitor or Ultima Plus Digital Network and it's ready to go to work for you. They can even share the same power supply.

Setup of the relays within the module is simple by using the



Ultima Controller. You can configure the relays as latching or non-latching for each alarm within the Ultima Gas Monitor. An optional remote reset button, mounted either on the unit itself or in a nearby location, will clear or reset all latched alarms only when the alarm condition has abated.

Fail-safe operation of the Ultima Gas Monitor is featured by the normally energized Fault Relay. It provides an indication when:

- power is lost to the fault relay or Ultima gas Monitor,
- communication is lost, or
- calibration or any other fault conditions occur.

Specifications

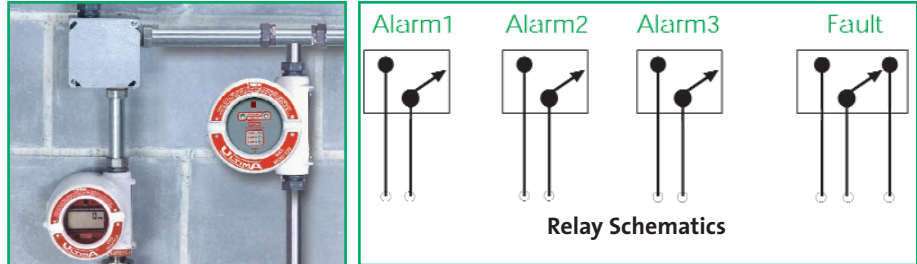
Power Input	7-36 VDC
Relay Outputs	Three (3) Alarm Level Relays (SPST), One (1) Fault Relay (SPDT)
Contact Rating	
Ultima Plus version	5 amps @ 120 VAC, non-inductive 5 amps @ 30 VDC, non-inductive
Direct-connect version	0.6 amps @ 120 VAC, non-inductive 2 amps @ 30 VDC, non-inductive
Temperature Range	-20 to +50°C (-4 to +122°F)
Humidity	15 to 90% RH, non-condensing
Visual Indicators, LEDs	Status Fault Alarm 1, 2, and 3
Hazardous Area Rating	Class I, Div. 1, Groups B, C, and D NEMA 4X
Approvals	UL, CSA, EN
Physical Size	9 x 6 x 5 in. (228.5 x 152.4 x 127 cm)
Weight	4.5 lbs. (2.041 kg)

Ordering Information

Ultima Relay Module:

Ultima Plus Digital Network version	711189
Direct-connect version:	813703

For more information on the Ultima **Plus** Digital Network System, see Bulletin 1600-07



Note: This Data Sheet contains only a general description of the product shown. While uses and performance capabilities are described, under no circumstances should the product be used except by qualified, trained personnel, and not until the instructions, labels or other literature accompanying the product have been carefully read and understood and the precautions therein set forth followed. Only they contain the complete and detailed information concerning this product.



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