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OM4 Output Module for SiteSentinel® iSite™ (P/N 20-8312-iSite)

The OM4 Output Module (**Figure 1**) expands SiteSentinel® iSite™ capabilities by allowing you to connect as many as 16 relay-activated output devices to the SiteSentinel® iSite™ Controller. The OM4 Output Module communicates with the controller via Petro-Net. Up to four OM4 Output Modules can be connected for a total of 16 output devices. A common Output Module application is used to turn off a submersible pump when low product is detected in the tank, or is used to activate an audible alarm when high product is detected in a tank. Unlike the physically similar OM4 used on the SiteSentinel® Model 1/ iTouch units, the OM4 for the SiteSentinel® iSite™ derives its power from a 12 VDC wall-pack source that is supplied with the unit. Follow wiring instructions inside the unit for correct connection instructions for the Petro-Net communications and power wiring.

Figure 1: OM4 I/O Module

See your SiteSentinel® iSite™ Configuration Manual to program the alarms or events and to associate them with the Output Module relays.

OM4 I/O Module Specifications	
Field Wiring	221°F (105°C), 600 V Type RH, TW, RFH-2 or equivalent
Power Requirements	12 VDC, 0.5A Max. Provided by external power pack.
Dimensions	6" W x 6" H x 4” D (15 cm x 15 cm x 10 cm)
Operating Temperature	-40° F –to +158° F (-40°C to +70°C)
Relay Ratings	5A @ 240 VAC / 5A @ 24 VDC

Warning! **Do NOT connect the OM4 Output Module directly to a submersible pump! The OM4 output Module controls pumps INDIRECTLY, through relays or contactors. High voltages exist inside the OM4 Output Module. Only qualified technicians should open the unit. Before working on the OM4 Output Module, disconnect all power, including power to and from the relays. Output relays in the OM4 Output Module are not intrinsically safe! DO NOT place probe and/or sensor wiring in conduit that contains wiring for devices connected to the OM4 Output Module.**

Codes

Relay wiring is classified Class 1 wiring. Installations must be in accordance with the National Electrical Code (NFPA No.70) and the Automotive and Marine Service Station Code (NFPA No. 30A). The installer is responsible to investigate and follow any other applicable local codes prevalent in the country\county of installation.

Hazardous Area Definition

A fuel dispenser is a hazardous area as defined in the National Electrical Code. *Do not mount the OM4 Output Module within a hazardous area*. Do not attach this unit to any devices that are located in the hazardous area.

Connections

Connect all relay field wiring to the appropriate terminal block(s). Please see **Figure 2** below.

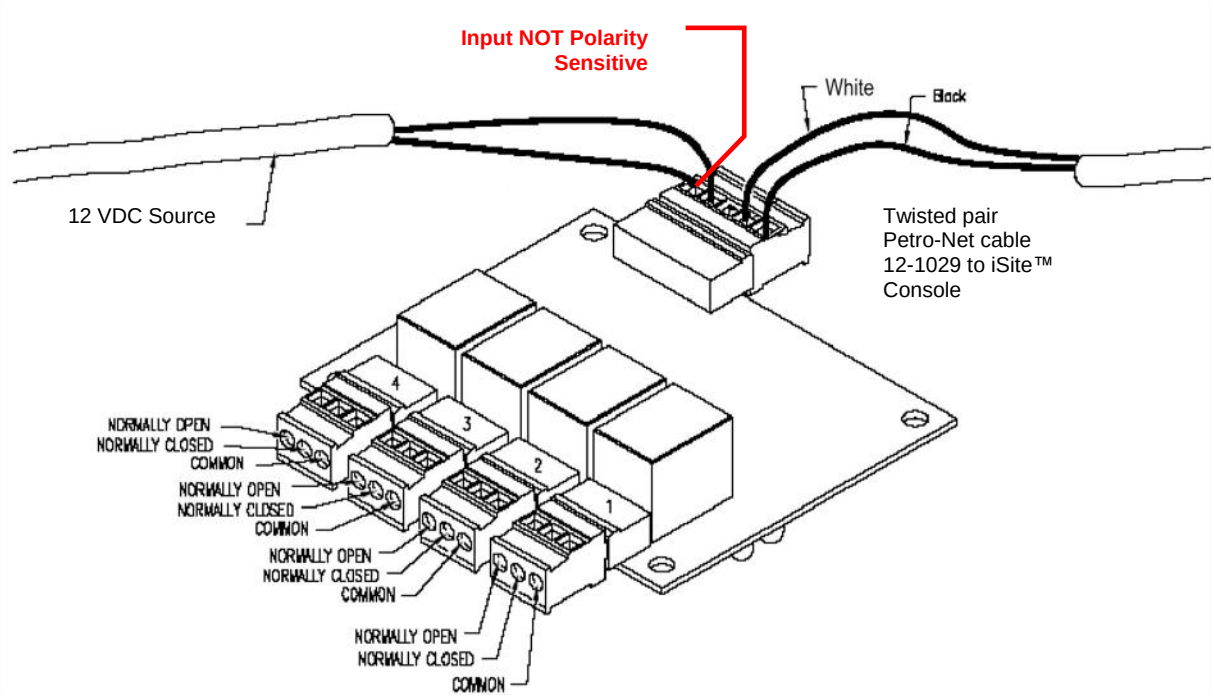

Figure 2: I/O Module Outputs

When installing two or more OM4 Output Module boxes, place the address jumpers on the OM4 circuit boards as shown below in **Figure 3**.

1. Take off the four nuts securing the aluminum cover and remove it, exposing the circuit board.
2. Set the jumpers.
3. Replace the cover.

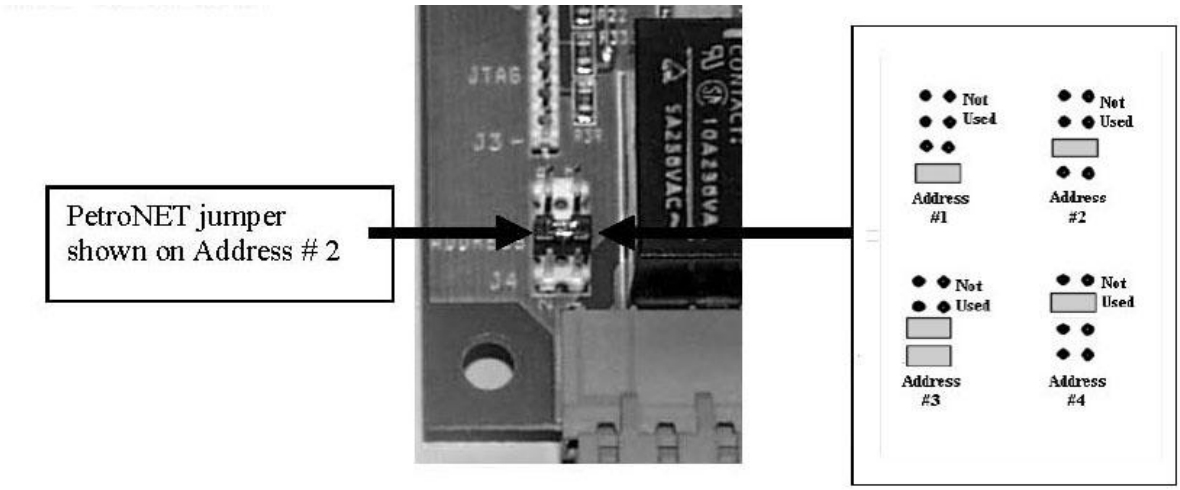

Figure 3: OM4 Address Jumpers