OASIS Network Module (S723)

Product Datasheet

Standard Features

- Simple ‘plug-in’ connection to the OASIS Fire Alarm Control Panel.
- Provides high speed communication between multiple different panels.
- Supports combinations of panels and annunciators.
- Receives events from other panels in the network.

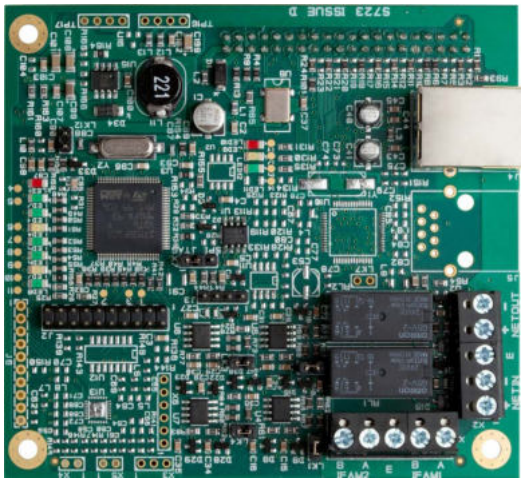
Description

The Oasis Network Module (S723) provides super-vised, enhanced high-speed communication for networking up to a maximum of 127 fire control panels. The network provided by this module can support combinations of OASIS Fire Alarm Control Panels and OASIS Vision Annunciators. OASIS Fire Alarm Control Panels can receive events from other panels in the network. The Class X networking used in conjunction with the Network Module provides tolerance against open and short circuit trouble conditions.

The Network module (S723) provides the Oasis network interface along with an Ethernet connection.

Technical Specifications

Supply Voltage Range	
OASIS Network Vision Annunciator	21 - 30V DC
OASIS Fire Alarm Control Panel	24V DC
Dimensions	9.5cm x 10.5cm
Operating Temperature	23°F to 120° F (-5° C to 49° C)
Operating Humidity	Up to 95% (non-condensing)



Network Cable specification

RS-485 standards (3900ft.) 1200 m (Shielded twisted pair) distance between two consecutive nodes.

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Ethernet Status

LED	Descriptor
10	Connectivity Speed 10MHz – OFF 100MHz – ON (RED on)
9	Duplex Mode Half Duplex – OFF Full Duplex – ON (Yellow on)
12	Comms present (GREEN Flash)

Network Status

1	Heartbeat Indicator (RED Flash)
2	Tx Network Comms (GREEN Flash)
3	Rx Network Comms (GREEN Flash)
4	Network Fault (YELLOW Flash)
5	Tx IFAM RS485 Data (GREEN Flash)
6	Rx IFAM RS485 Data (GREEN Flash)
7	IFAM Internal Fault (YELLOW)
8	SPI Bus Comms. (GREEN Flash)

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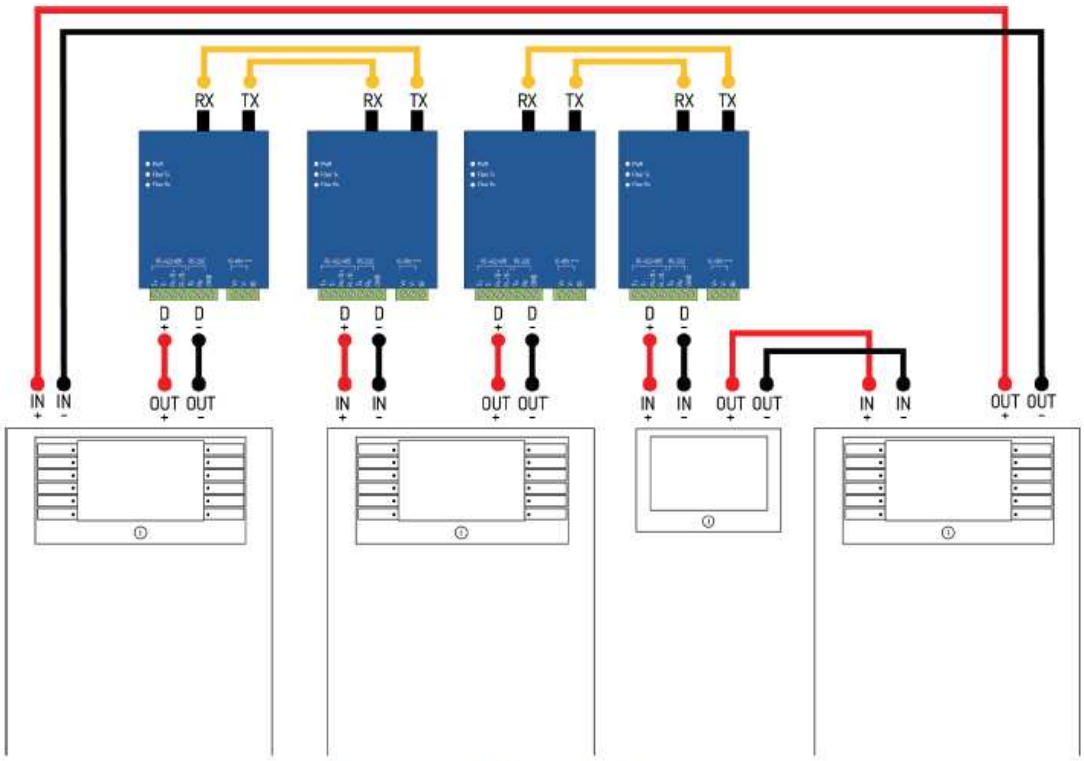
When designing or installing a network of panels, any network segment or combination of segments can be connected with fiber optic cable instead of copper wire. Two fiber optic converters are required per segment as shown. See the installation manual for additional details.



Example Wiring Diagram of a Mixed-Wire (fiber and copper) network

	Single-Mode	Multi-Mode
Fiber Types	9/125 µm, 8.3/125 µm, 7/125 µm, or 10/125 µm	50/125 µm, 62.5/125 µm, or 100/140 µm
Wiring Distance	24.8 miles (40 km)	3.1 miles (5 km)

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