

Eagle Quantum Premier®
Addressable Smoke & Heat (ASH) Module
EQ3750ASH



DESCRIPTION

The EQP Addressable Smoke and Heat (ASH) Module is designed to expand the input and output capability of the Det-Tronics Eagle Quantum Premier® system.

The ASH is an interface device designed to provide continuous and automated fire protection. It ensures system operation through supervision of system inputs/outputs and Local Operating Network/Signaling Line Circuit (LON/SLC) monitoring in the Controller.

The ASH is located directly on the LON of the EQP system, with a loop of up to 64 addressable devices tied into the ASH. This allows the EQP Controller to annunciate a fire alarm from either its own LON based I/O or from the ASH connected addressable detection loops (See Figure 2).

System status can be determined using the Eagle Quantum Safety System Software (S³), and the status indicators on the module.

FEATURES AND BENEFITS

- Expands the capabilities of the Det-Tronics Eagle Quantum Premier system.
- EQP Controller can support up to 10 ASH modules on a loop (this support is dependant on system configuration and logic within S³).
- Provides power and communications to 64 addressable devices.
- Utilizes Apollo Discovery devices.
- ASH alarm and fault conditions are logged in the EQP controller.
- LEDs for easy annunciation of power, faults and an active device on the loop.
- Monitors single addressable devices.
- Provides remote I/O capabilities via LON/SCL.
- DIN rail mounting.
- Plug-in wiring connectors.
- RFI and EMI hardened.
- Approved for use in Marine applications (panel mount only).

SPECIFICATIONS

Input Voltage 24 Vdc nominal, 18 to 30 Vdc.
Input Current 690 mA, maximum.
Loop Current 225 mA, maximum.
Power Consumption 11 Watts, maximum.



Wiring (Maximum)


	12 AWG	14 AWG	16 AWG	18 AWG
	4 mm ²	2.5 mm ²	1.5 mm ²	0.75 mm ²
Feet	15500	9800	6200	3900
Meters	4700	3000	1900	1200

Temperature Range Operating: -40°C to +85°C (-40°F to +185°F).
 Storage: -55°C to +85°C (-67°F to +185°F).


Humidity Range 5 to 95% RH, non-condensing.


Certification:

  **FM / CSA:** Class I, Div. 2, Groups A, B, C, D (T4).
 Class I, Zone 2, Group II C (T4).


 **ATEX:** Ex II 3 G
 Ex nA nC IIC T4 Gc
 DEMKO 10 ATEX 150744X
 Tamb = -40°C to +85°C.

Compliance with: EN 60079-0:2012
 EN 60079-15:2010.

 **CE:** The ASH Module can **not** be use for applications that fall within the scope of the CPD directive.

 **IECEx:** ULD 10.0004X
 Ex nA nC IIC T4 Gc
 Tamb = -40°C to +85°C.

Compliance with: IEC 60079-0:2011
 IEC 60079-15:2010.

 **US Coast Guard:** As part of the EQP System. Refer-
 ence the EQP instruction manual
 (95-8533) for more details.

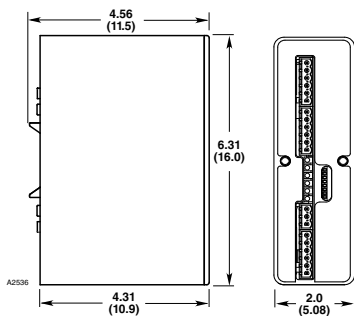


Figure 1—Dimensions of the ASH Module in Inches (Centimeters)

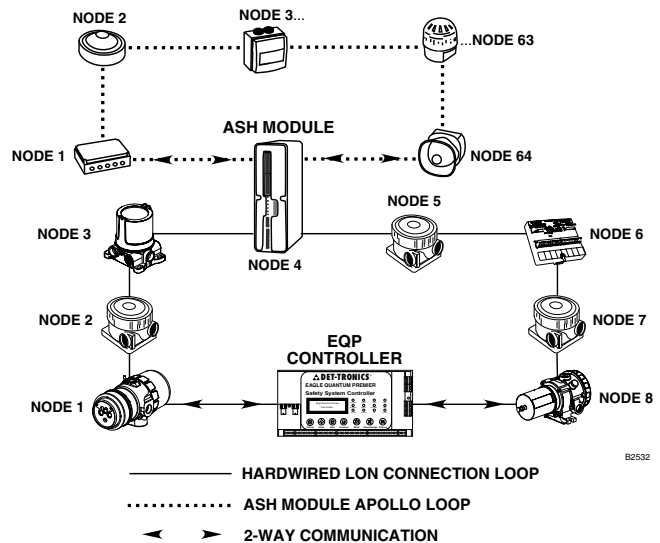


Figure 2—EQP LON with ASH Module Communication Loop

Dimensions See Figure 1.

Shipping Weight 2.7 lbs. (1.22 kg).

Supported Devices

APOLLO SPEC SHEET	DEC PART NUMBER	APOLLO PART NUMBER	DEVICE NAME
PP2052	000515-501	58000-500	Apollo Ionization Smoke, EU
PP2052	000515-502	58000-600	Apollo Optical Smoke Detector, EU
PP2052	000515-503	58000-400	Apollo Heat Detector, EU
PP2052	000515-504	58000-700	Apollo Multisensor, EU
PP2052	000515-505	58000-300	Apollo Carbon Monoxide Detector, EU
PP2092	000515-509	55000-847	Apollo Input / Output Unit, with Isolator
PP2094	000515-510	55000-852	Apollo Sounder Control Unit
PP2084	000515-511	55000-841	Apollo Switch Monitor Plus
PP2052	000515-512	58100-908	Apollo Manual Call, with Isolator
PP2052	000515-513	58100-951	Apollo Manual Call, with Isolator, IP66
PP2267	000515-515	55000-278	Apollo Sounder, 100dB, Red
PP2267	000515-516	55000-274	Apollo Sounder, 100dB, Red, IP66
PP2156	000515-517	55000-877	Apollo Beacon, Red
PP2267	000515-518	55000-293	Apollo Sounder / Beacon, with Isolator
PP2390	000515-551	58000-550	Apollo Ionization Smoke, NA
PP2390	000515-552	58000-650	Apollo Optical Smoke Detector, NA
PP2390	000515-553	58000-450	Apollo Heat Detector, NA
PP2390	000515-554	58000-750	Apollo Multisensor, NA
39117-468	000515-557	55000-750	Apollo Isolator, NA
PP2390	000515-559	55000-806	Apollo Priority Switch Monitor, NA
PP2390	000515-560	55000-825	Apollo Sounder Control Module, NA
PP2390	000515-561	55000-820	Apollo Input / Output Module, NA
39214-387	000515-562	55000-765*	Apollo Mini Monitor Module, NA or Apollo Priority Mini Switch Monitor, NA

* The device type depends on the priority switch setting on the device.
 NA = North American Approvals
 EU = European Approvals

Specifications subject to change without notice.

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