

## Technical Data Sheet

### FireSmart Addressable Control Panel 1-2 Loop



#### General Specification

'FireSmart' is an addressable intelligent control system with the ability to integrate fire safety systems into a single control. It provides the ultimate notification and operation of essential life safety systems in both normal and fire conditions.

The BS 5839 compliant control panel system was designed in response to client requirements for enhanced intelligent monitoring of all fire safety systems, that was true open protocol with components and programming supplied by established third party companies.

The system manages and monitors smoke detection, sounders, smoke ventilation systems, corridor air change systems, AOV (automatic opening vents), door mag locks, emergency lift control, fireman's over ride switches, fire and smoke curtains, sprinkler systems, damper control, roof and stair vent control and access door control in a single, open protocol, life safety control system.

All the electronic components are tested and compliant to British Standard: BS 5839. By designing to this industry standard and ensuring all components are open protocol, it allows for 'off the shelf' availability from numerous sources, and ensures the client has a system that can be maintained and modified by any qualified fire alarm engineer and not the usual closed protocol smoke venting installation company which traditionally needed to be tied in for the life of the system.

The single control panel can monitor all fire safety systems and produce status reports and commissioning logs.

The BS 5839 components are connected via a 4-core fire resistant cable which links all the devices. Additional components can be added in the future and the programming can be modified by any fire alarm commissioning engineer.

## Features

<b>Expandable from 1 to 2 loops*</b>	<b>Approved and certified to EN54-2/EN54-4</b>
<b>Network up to 64 panels</b>	2 programmable sounder circuits
<b>5 programmable inputs</b>	3 programmable relays
<b>3A power supply</b>	Up to 512 additional programmable I/O via Syncro I/O Modules*
<b>Powerful, network wide cause and effects*</b>	Sensitivity adjustment and Drift Compensation
<b>Compatible with view repeaters*</b>	Compatible with View repeaters*
<b>Supports Apollo, Argus Vega &amp; Hochiki Protocols</b>	Stores 500 last events in event log
<b>Installer friendly, removable equipment chassis</b>	Different language and character set variants available

## Specification

Specification	
<b>Construction</b>	1.2mm mild sheet steel
<b>IP Rating</b>	IP30
<b>Finish</b>	Epoxy powder coated
<b>Colour – lid &amp; box</b>	BS 00 A 05 grey – satin
<b>Colours – control plates &amp; labels</b>	RAL 7047 light grey – satin
<b>Weight</b>	6kg (standard panel)
<b>Display</b>	8 lines of 40 characters graphic LCD
<b>Mains voltage supply</b>	110 or 230V AC 50 or 60 Hz. (specify when ordering, default is 230V)
<b>Mains supply fuse</b>	1.6A 250V
<b>Power supply DC rating</b>	24V 3 Amps
<b>Aux 25V supply</b>	Fused at 500 milliamps
<b>Maximum battery size</b>	9Ah 12V (2 per panel) (non-networked)
<b>Fault contact rating</b>	30V DC 1 Amp
<b>Fire contact rating</b>	30V DC 1 Amp
<b>Alarm contact rating</b>	30V DC 1 Amp
<b>Sounder output rating</b>	Fused at 1 Amp each
<b>Detection loop</b>	400 milliamp output
<b>Detector protocols</b>	Apollo (S90, XP95, Discovery), Argus Vega or Hochiki ESP
<b>Printer port</b>	Serial RS232
<b>Serial expansion port</b>	Serial RS485 (Compatible with all FireSmart I modules)
<b>PC port</b>	Serial RS232
<b>Network connection</b>	RS485 - Up to 64 panels via fully fault tolerant optional network card
<b>Remote Silence input (SIL)</b>	Switched -ve
<b>Remote fault input (FLT)</b>	Switched -ve
<b>Remote reset input (RES)</b>	Switched -ve
<b>Remote alert input (INT)</b>	Switched -ve
<b>Remote evacuate input (CNT)</b>	Switched -ve
<b>Download lead</b>	Standard S187, X187LS economy
<b>Configuration</b>	Via Loop Explorer PC utility
<b>PC graphics</b>	Via Ockular
<b>Modem</b>	Optional dial up modem for remote diagnostics (Can be fitted to M3 size enclosure only)

## Product Options

<b>K555</b>	<b>Fault tolerant Network interface card</b>
K556P	Modem module (PSTN) (M3 size enclosure only)
K560	16 channel input/output board
K768AS	Printer Module - New front-loading feature (M3 size enclosure only)
K547	8 way relay extender board
K18002	Retrofit Vision Window Door (M2 size enclosure only)
K546	6 way sounder extender board
B3472	Thermal Printer Paper Roll
K545	4 way conventional detection zone board

## Panels Lite

Product Code	Protocol	Zones	Loops	Printer	Size (mm)
LA80161M2	Apollo	16	1	No	385 x 310 x 90
LV80161M2	Argus Vega	16	1	No	385 x 310 x 90
LH80161M2	Hochiki	16	1	No	385 x 310 x 90

## Panels

Product Code	Protocol	Zones	Loops	Printer	Size (mm)
A80161M2	Apollo	16	1	No	385 x 310 x 90
A80162M2	Apollo	16	1	No	385 x 310 x 90
A80161M3	Apollo	16	1	No	385 x 520 x 110**
A80162M3	Apollo	16	2	No	385 x 520 x 110**
A80161M3P	Apollo	16	1	Yes	385 x 520 x 110**
A80162M3P	Apollo	16	2	Yes	385 x 520 x 110**
V80161M2	Argus Vega	16	1	No	385 x 310 x 90
V80162M2	Argus Vega	16	2	No	385 x 310 x 90
V80162M2	Argus Vega	16	2	No	385 x 310 x 90
V80161M3	Argus Vega	16	1	No	385 x 520 x 110**
V80162M3	Argus Vega	16	2	No	385 x 520 x 110**
V80161M3P	Argus Vega	16	1	Yes	385 x 520 x 110**
V80162M3P	Argus Vega	16	2	Yes	385 x 520 x 110**
H80161M2	Hochiki	16	1	No	385 x 310 x 90
H80162M2	Hochiki	16	2	No	385 x 310 x 90
H80161M3	Hochiki	16	1	No	385 x 520 x 110**
H80162M3	Hochiki	16	2	No	385 x 520 x 110**
H80161M3P	Hochiki	16	1	Yes	385 x 520 x 110**
H80162M3P	Hochiki	16	2	Yes	385 x 520 x 110**

\* For versions with no enable control keyswitch, replace the 0 in the part number with a 1 for example, A80161M2 becomes A81161M \*\* Not currently CP-R approved. If you require a Printer with a FireSmart panel please view Datasheet 85.

Surface Mounted Syncro AS Dimensions

