

QUADNET 1 TO 4 LOOP ADDRESSABLE CONTROL PANEL

DESCRIPTION

The Quadnet Addressable Control Panel is a one to four loop panel capable of supporting up to 200 devices on each loop with a maximum loop length of 2000 metres (please check the Quadnet device loading unit (DLU) calculation sheets for accurate loop loading calculations). The panel also provides four configurable monitored input terminals, 2 configurable sounder circuits, four configurable fire and fault relays, an optional on board printer and also a network data link for connection of up to 7 additional panels/repeaters (network card required). The system may be configured utilising 3 alarm stages with full 'Zone to Zone' and 'Point to Point' Cause and Effect across all 128 panel zones with provision to include alarm confirmation, delay timers and a day/night mode.



The Quadnet control panel is only compatible with Fike's addressable range of devices and utilizes soft addressing principles eliminating the need for the installer to physically address each device whilst also eradicating faults caused by duplicate addressing. The operating parameters of the devices are configured using the panel's programming software and are stored on the Flash memory within the device itself. This enhanced digital protocol means less information is needed to be sent between the detector and the host control panel, resulting in faster, more reliable communication.

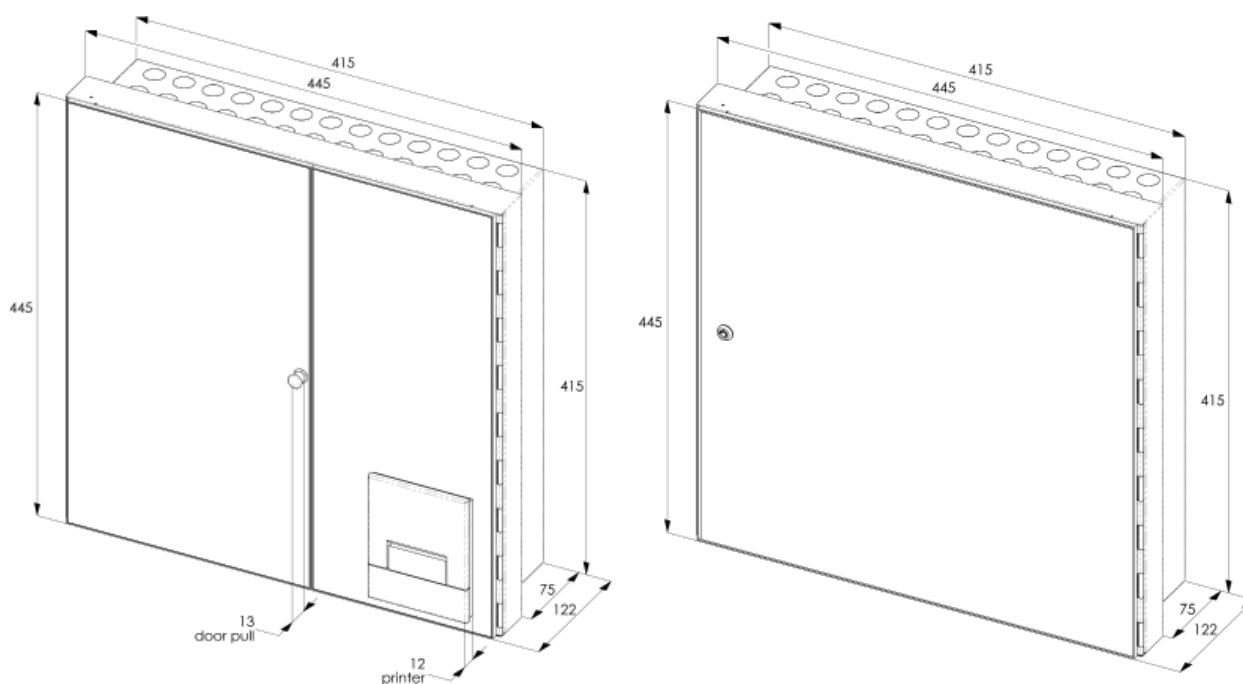
SPECIFICATIONS

Dimensions Panel and PSU:	Width x Height: 445mm x 445mm Depth: 122mm
Operating Temperature:	+5°C to +40°C
Mains Supply Range:	230V AC, +10% - 15%, 50/60Hz
Standby Battery Requirement:	2 x 17Ah 12v Sealed Lead Acid
Max Number of Loops:	4
Max Loop Length:	2000 Metres
Max Conductor Resistance:	24 Ohms
Loop Loading:	450 DLU (200 Devices Max) per loop
Loop Operating Voltage:	Normal: 40V DC Standby: 24V DC
Max Loop Current:	500mA
Number of Supported Zones:	128
LCD Display:	LCD Graphical Display
Device Labels:	31 Characters
Event Log:	1000 Events
Network / Repeater Panels:	8 Max (Network card required)
Inputs and Outputs:	Inputs: 4 x Resistance Monitored Inputs (3k3 EOL, 680R Firing Resistor) Outputs: 4 x Volt Free Relay (30V DC @ 1A Max); 2 x Monitored Outputs (24V DC @ 200mA) 2 x 24V Conventional Sounder / Remote Fire Circuits (10k EOL, 200mA Max)

ORDERING INFORMATION

Fike P/N	Description
507 0001	Quadnet Control Panel (With 1 Loop card Fitted) and PSU
507 0009	Quadnet Control Panel inc Printer (With 1 Loop card Fitted) and PSU
507 0030	Loop Card
507 0015	Network Card

Form No. FST.2.08.01



(All measurements shown are in millimeters)

TERMINAL DEFINITIONS

O/P 1/2/3/4 SPR	Spare Terminal	LP 1/2/3/4 END 2+	Loop 1/2/3/4 End 2 +40V
O/P 1/2/3/4 COM	Relay 1/2/3/4 Common (30V DC@1A)	LP 1/2/3/4 END 2-	Loop 1/2/3/4 End 2 0V
O/P 1/2/3/4 NC	Relay 1/2/3/4 Normally Closed	LP 1/2/3/4 SCR N	Loop 1/2/3/4 End 2 Screen
O/P 1/2/3/4 NO	Relay 1/2/3/4 Normally Open	NET 1 A	Network Port 1 (In) A
O/P 1/2/3/4 SCR N	Relay 1/2/3/4 Screen	NET 1 B	Network Port 1 (In) B
O/P 5/6 MO+	Monitored Output 5/6 +V (200mA)	NET 1 SCR N	Network Port 1 (In) Screen
O/P 5/6 MO-	Monitored Output 5/6 0V	NET 2 A	Network Port 2 (Out) A
O/P 5/6 SCR N	Monitored Output 5/6 Screen	NET 2 B	Network Port 2 (Out) B
AUX 24V	24V Aux Supply +V (200mA)	NET 2 SCR N	Network Port 2 (Out) Screen
AUX 0V	24V Aux Supply 0V	NET 3/4 A	Not Used
AUX SCR N	24V Aux Supply Screen	NET 3/4 B	Not Used
I/P 1/2/3/4 MI+	Monitored Input 1/2/3/4 +V	NET 3/4 SCR N	Not Used
I/P 1/2/3/4 MI-	Monitored Input 1/2/3/4 0V	COMMS SCR N	PSU Comms screen (CIE Comms)
I/P 1/2/3/4 SCR N	Monitored Input 1/2/3/4 Screen	COMMS A	PSU Comms A (CIE Comms A)
LP 1/2/3/4 END 1+	Loop 1/2/3/4 End 1 +40V	COMMS B	PSU Comms B (CIE Comms B)
LP 1/2/3/4 END 1-	Loop 1/2/3/4 End 1 0V		



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Form No. FST.2.08.01 June, 2011 Specifications are subject to change without notice.

DUONET 1 TO 2 LOOP ADDRESSABLE CONTROL PANEL

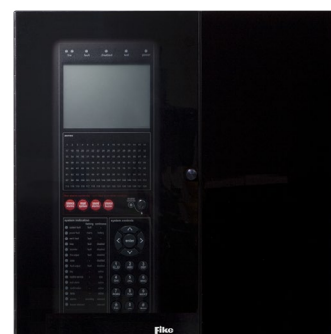
DESCRIPTION

The Duonet Addressable Control Panel is a one to two loop panel capable of supporting up to 200 devices on each loop with a maximum loop length of 2000 metres (please check the Duonet device loading unit (DLU) calculation sheets for accurate loop loading calculations). The panel also provides two configurable monitored input terminals, 2 configurable sounder circuits, two configurable fire and fault relays, an optional on board printer and also a network data link for connection of up to 7 additional panels/repeaters (network card required). The system may be configured utilising 3 alarm stages with full 'Zone to Zone' and 'Point to Point' Cause and Effect across all 128 panel zones with provision to include alarm confirmation, delay timers and a day/night mode.

The Duonet control panel is only compatible with Fike's addressable range of devices and utilizes soft addressing principles eliminating the need for the installer to physically address each device whilst also eradicating faults caused by duplicate addressing. The operating parameters of the devices are configured using the panel's programming software and are stored in the Flash memory within the device itself. This on-board intelligence allows each detector to report and respond directly to the control panel without having to wait until it is polled. This enhanced digital protocol means less information is needed to be sent between the detector and the host control panel, resulting in faster, more reliable communication.

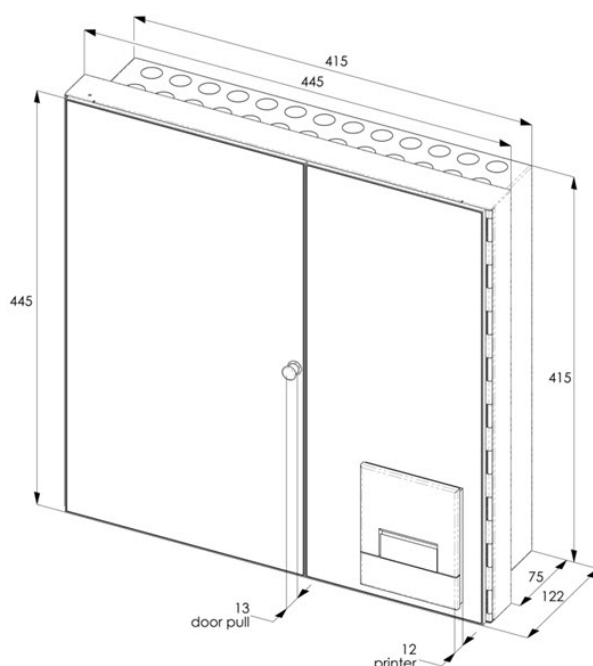
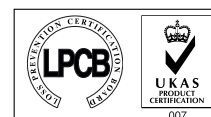
SPECIFICATIONS

Dimensions:	Width x Height: 445mm x 445mm Depth: 122mm
Operating Temperature:	+5°C to +40°C
Mains Supply Range:	230V AC, +10% - 15%, 50/60Hz
Standby Battery Requirement:	2 x 7Ah 12V Sealed Lead Acid
Max Number of Loops:	2
Max Loop Length:	2000 Metres
Max Conductor Resistance:	24 Ohms
Loop Loading:	450 DLU (200 Devices Max) per loop
Loop Operating Voltage:	Normal: 40V DC Standby: 24V DC
Max Loop Current:	500mA
Number of Supported Zones:	128
LCD Display:	LCD Graphical Display
Device Labels:	31 Characters
Event Log:	1000 Events
Network / Repeater Panels:	8 Max
Inputs and Outputs:	Inputs: 2 x Resistance Monitored Inputs (3k3 EOL, 680R Firing Resistor) Outputs: 2 x Volt Free Relay (30V DC @ 1A Max); 2 x Monitored Outputs (24V DC @ 200mA Max, 10k EOL). Each monitored output may be configured as a Conventional Sounder Circuit or a Remote Fire Circuit or as a Common Fault output



APPROVALS:

- LPCB - 331q
- Approved to: EN54 Part 2 and Part 4



(All measurements shown are in millimetres)

ORDERING INFORMATION

Fike P/N	Description
510 0001	Duonet Control Panel (With 1 Loop card Fitted)
510 0003	Duonet Control Panel inc Printer (With 1 Loop card Fitted) and PSU
507 0030	Loop Card
507 0015	Network Card

TERMINAL DEFINITIONS

LP 1/2 END 1+	Loop 1 / 2 End 1 +40V	I/P 1/2 MI+	Monitored Input 1 / 2 +V
LP 1/2 END 1-	Loop 1 / 2 End 1 0V	I/P 1/2 MI-	Monitored Input 1 / 2 0V
LP 1/2 SCRNI	Loop 1 / 2 End 1 Screen	I/P 1/2 SCRNI	Monitored Input 1 / 2 Screen
LP 1/2 END 2+	Loop 1 / 2 End 2 +40V	BATT +24V	Battery +V
LP 1/2 END 2-	Loop 1 / 2 End 2 0V	BATT 0V	Battery 0V
LP 1/2 SCRNI	Loop 1 / 2 End 2 Screen	PSU DC I/P +24V	+24V Input From Secondary PSU
O/P 1/2 SPR	Spare Terminal	PSU DC I/P 0V	0V Input From Secondary PSU
O/P 1/2 COM	Relay 1 / 2 Common (30V DC@1A)	PSU DC I/P SCRNI	Scrn Input From Secondary PSU
O/P 1/2 NC	Relay 1 / 2 Normally Closed	NET 1 A	Network Port 1 (In) A
O/P 1/2 NO	Relay 1 / 2 Normally Open	NET 1 B	Network Port 1 (In) B
O/P 1/2 SCRNI	Relay 1 / 2 Screen	NET 1 SCRNI	Network Port 1 (In) Screen
O/P 3/4 MO+	Monitored Output 3 / 4 +V (200mA)	NET 2 A	Network Port 2 (Out) A
O/P 3/4 MO-	Monitored Output 3 / 4 0V	NET 2 B	Network Port 2 (Out) B
O/P 3/4 SCRNI	Monitored Output 3 / 4 Screen	NET 2 SCRNI	Network Port 2 (Out) Screen
AUX 24V	24V Aux Supply +V (200mA)		
AUX 0V	24V Aux Supply 0V		
AUX SCRNI	24V Aux Supply Screen		