

QUADNET 1 TO 4 LOOP ADDRESSABLE CONTROL PANEL



DATA SHEET

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, and also a network data link for connection of up to 3 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 in 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 x445mm Depth: 122mm
Operating Temperature:	+5°C to +40°C
IP Rating	IP30
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:	4 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 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



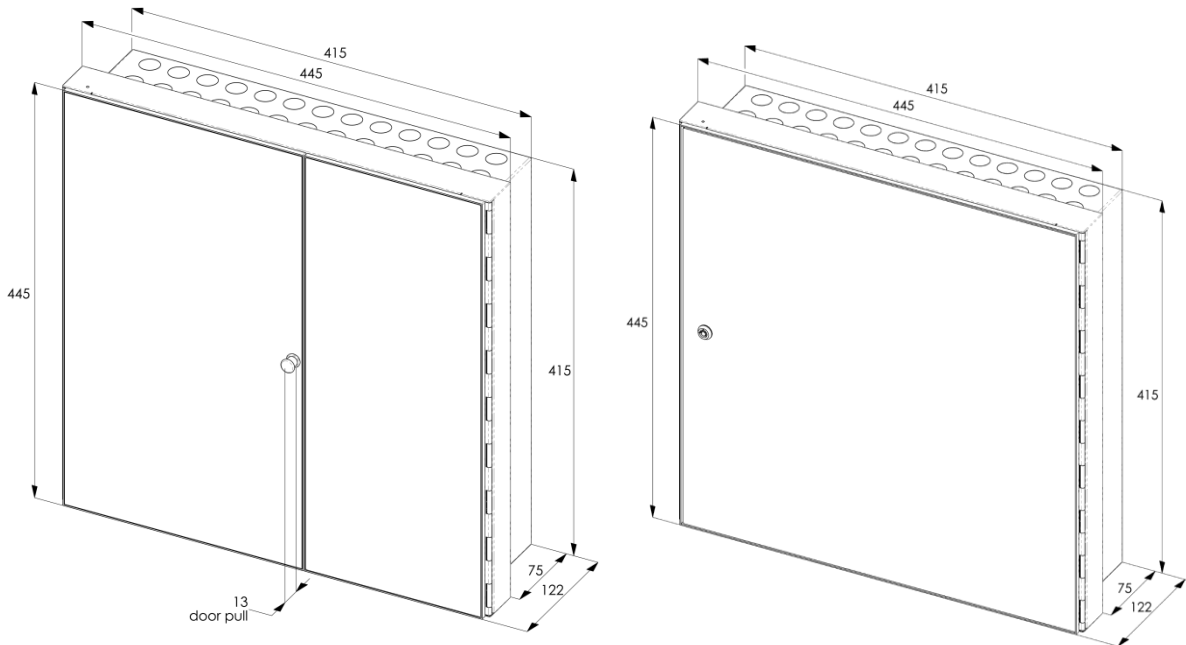
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Approved to: EN54 Part 2 and Part 4



ORDERING INFORMATION

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



(All measurements shown are in millimetres)

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 SCRNN	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 SCRNN	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 SCRNN	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 SCRNN	Monitored Output 5/6 Screen	NET 2 B	Network Port 2 (Out) B
AUX 24V	24V Aux Supply +V (200mA)	NET 2 SCRNN	Network Port 2 (Out) Screen
AUX 0V	24V Aux Supply 0V	NET 3/4 A	Not Used
AUX SCRNN	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 SCRNN	Not Used
I/P 1/2/3/4 MI-	Monitored Input 1/2/3/4 0V	COMMS SCRNN	PSU Comms screen (CIE Comms)
I/P 1/2/3/4 SCRNN	Monitored Input 1/2/3/4 Screen	COMMS A	PSU Comms A (CIE CommsA)
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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