

# FCP03

## Fire Control Panel 03

INSTRUCTIONS





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# Fire Control Panel 03 – General Layout

## General Layout of Drives and Controls

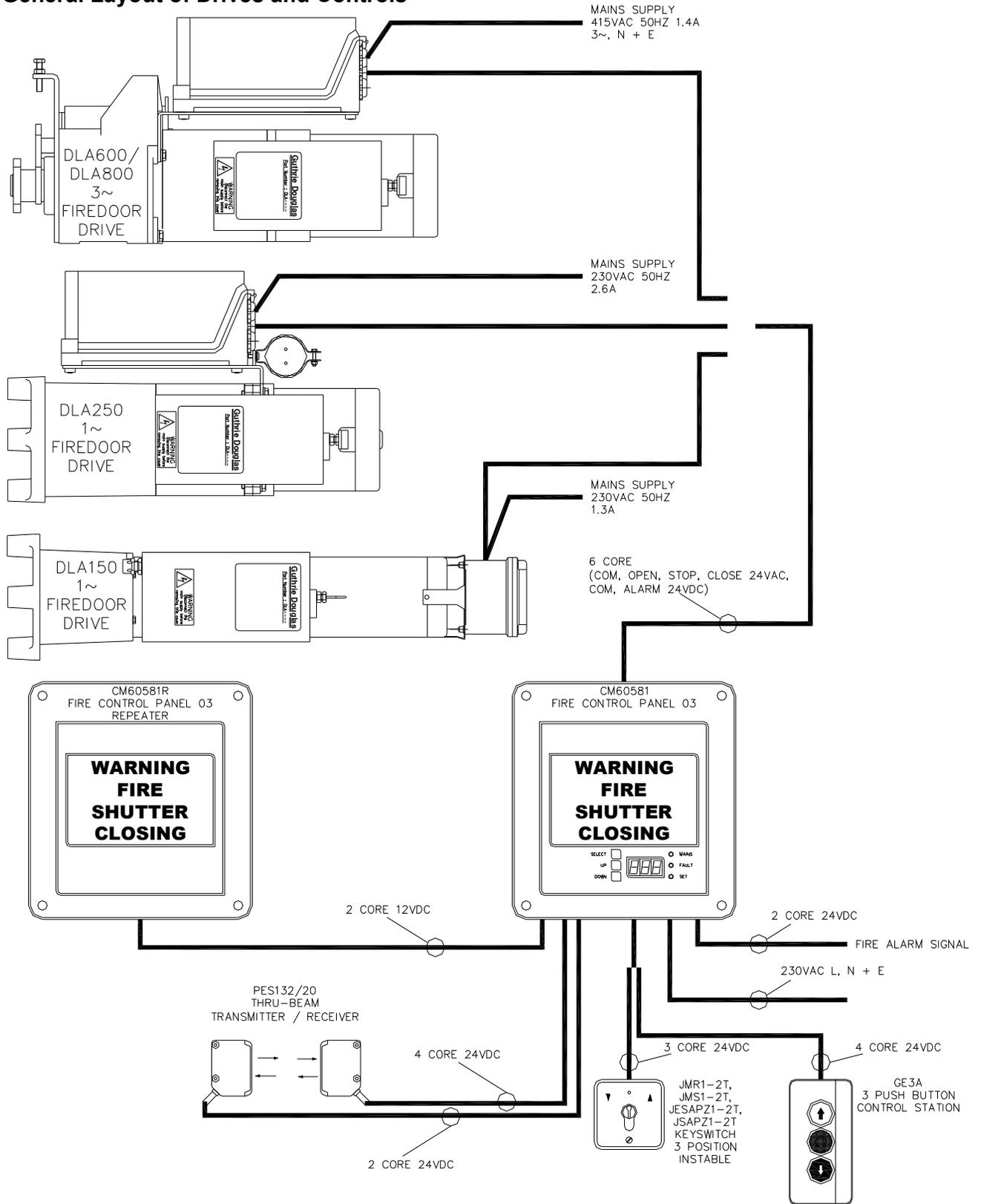


Fig 1

# Fire Control Panel 03 – Connection Drawings

## Fire Control Panel Mains Supply Connections

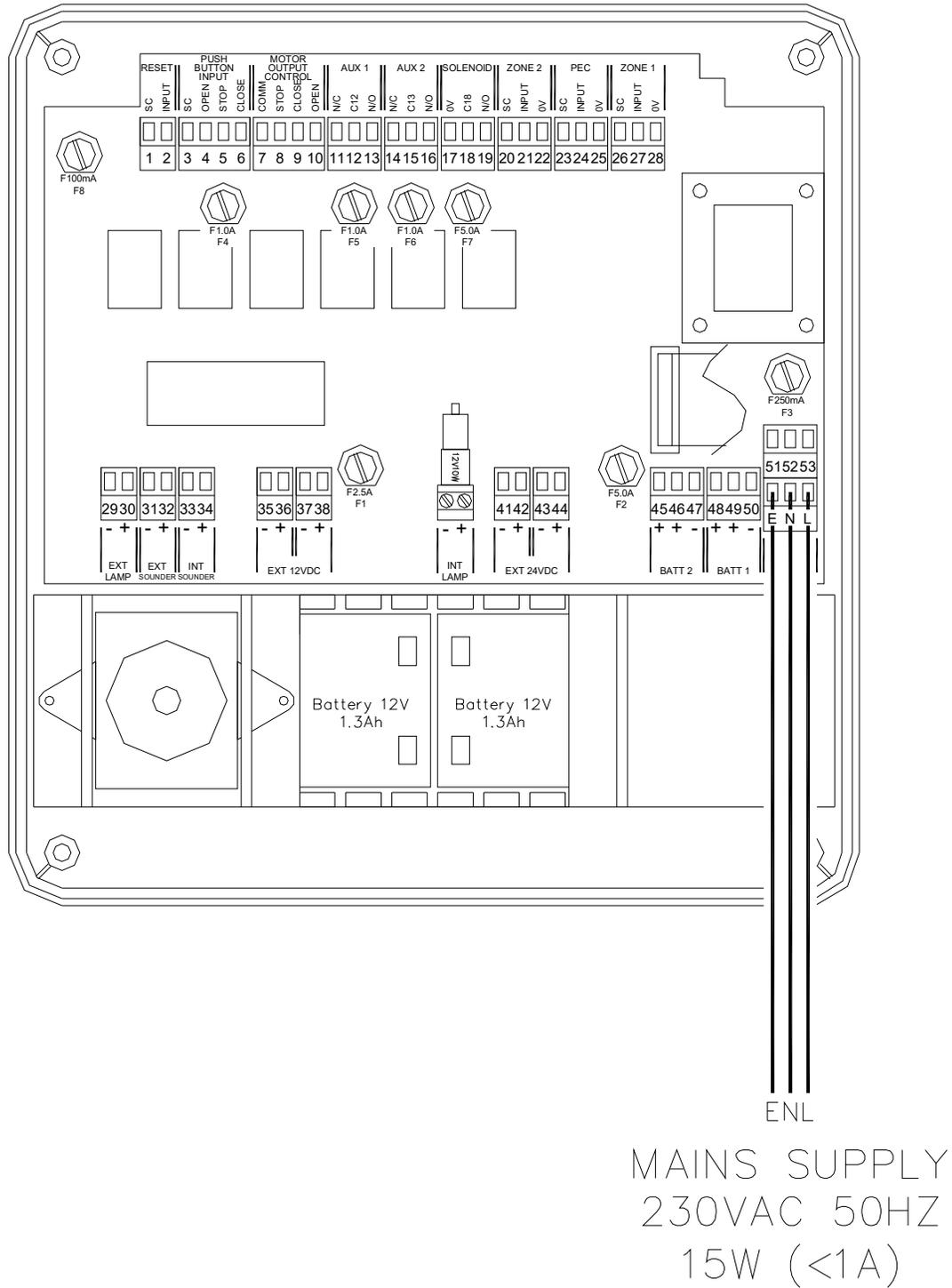


Fig 2

# Fire Control Panel 03 – Connection Drawings

## DLA150W Mains Supply and Fire Control Panel Open, Stop, Close Command Wiring

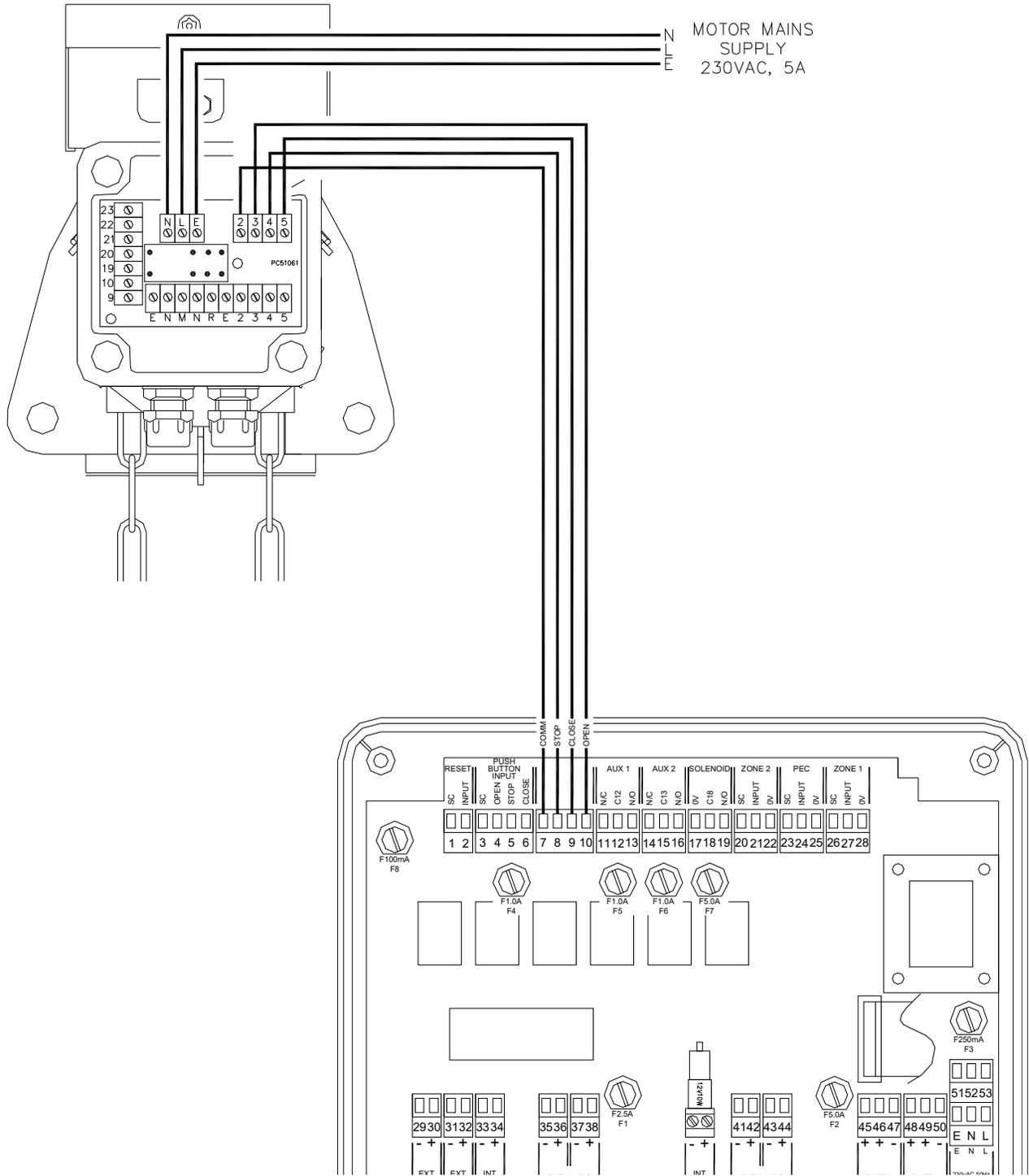


Fig 3a

# Fire Control Panel 03 – Connection Drawings

## DLA250W and DLA500W Mains Supply and Fire Control Panel Open, Stop, Close Command Wiring

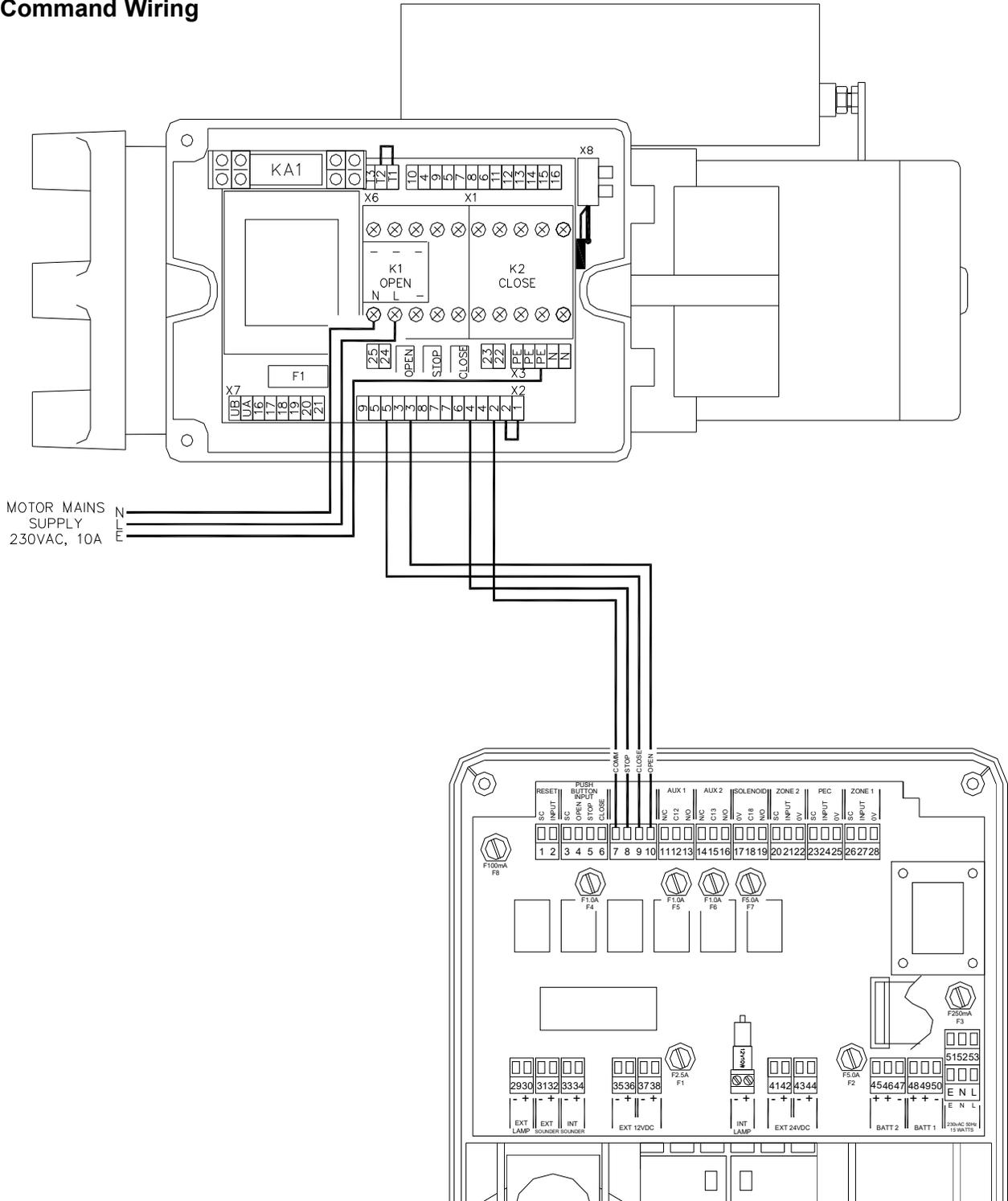


Fig 3b

# Fire Control Panel 03 – Connection Drawings

## DLA600, DLA800 and DLA1000 Mains Supply and Fire Control Panel Open, Stop, Close Command Wiring

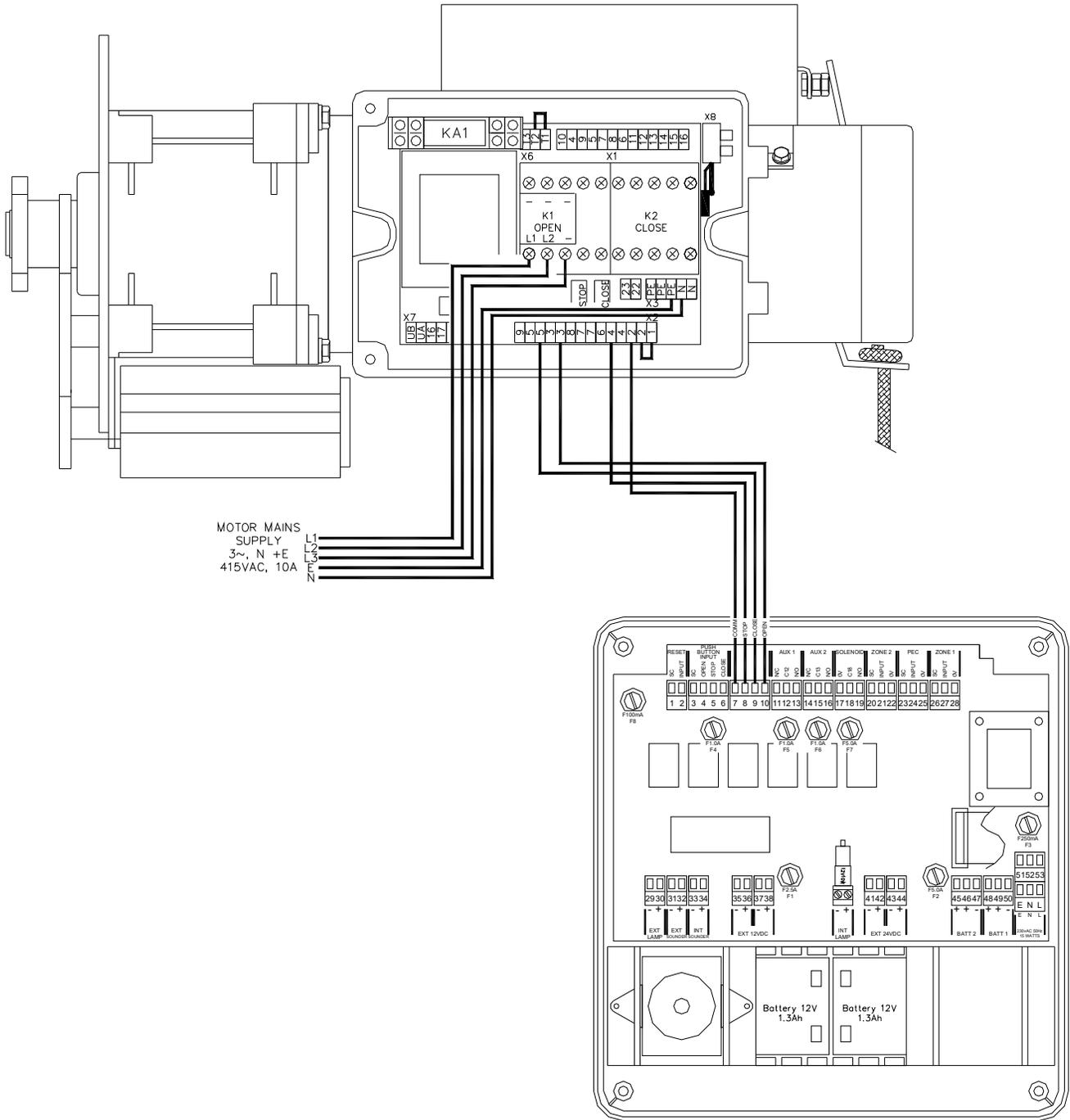


Fig 3c

# Fire Control Panel 03 – Connection Drawings

## DLA150W Alarm Release Mechanism Connection

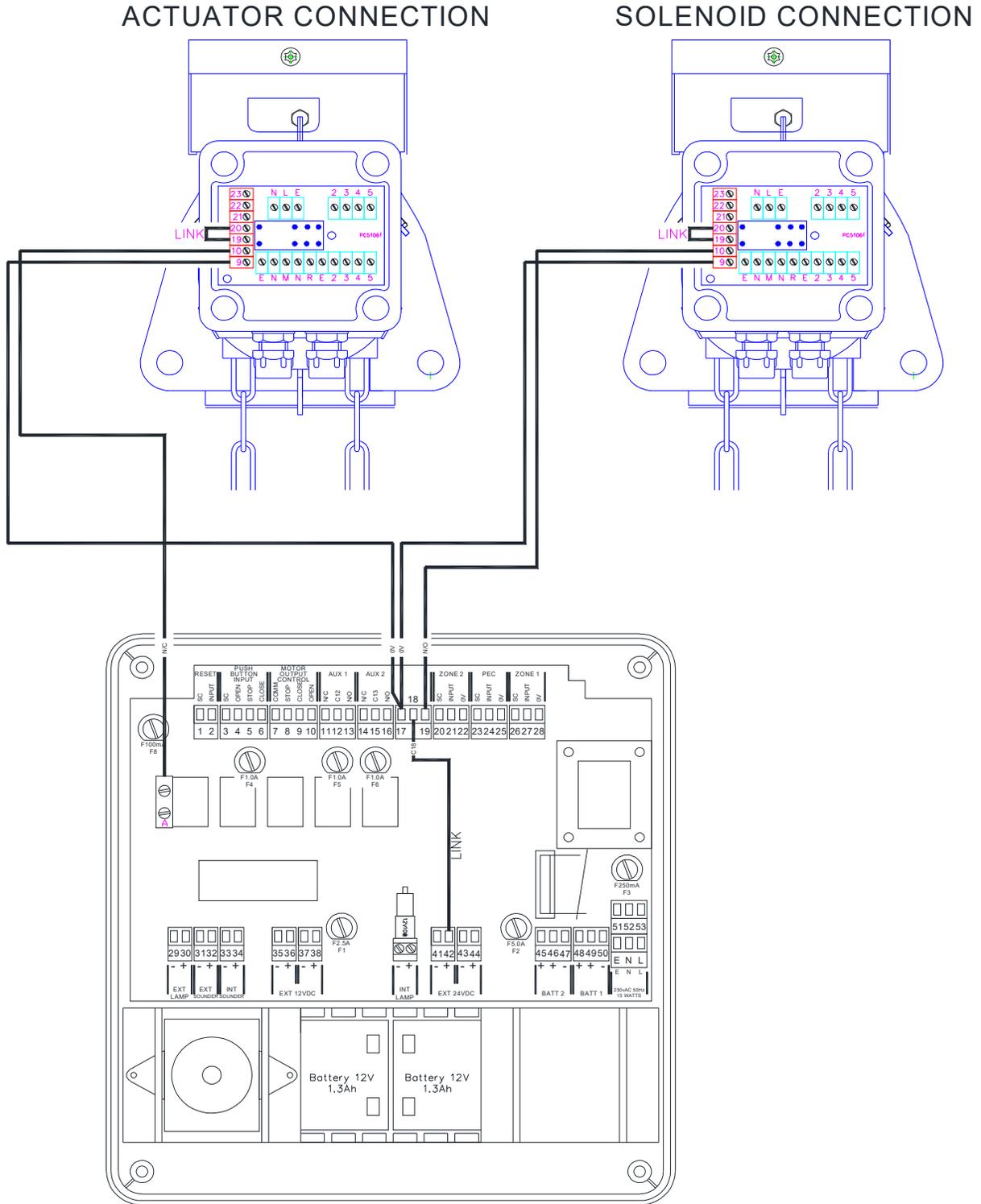


Fig 4a

# Fire Control Panel 03 – Connection Drawings

## DLA250W, DLA500W, DLA600, DLA800 and DLA1000 Alarm Release Mechanism Connection

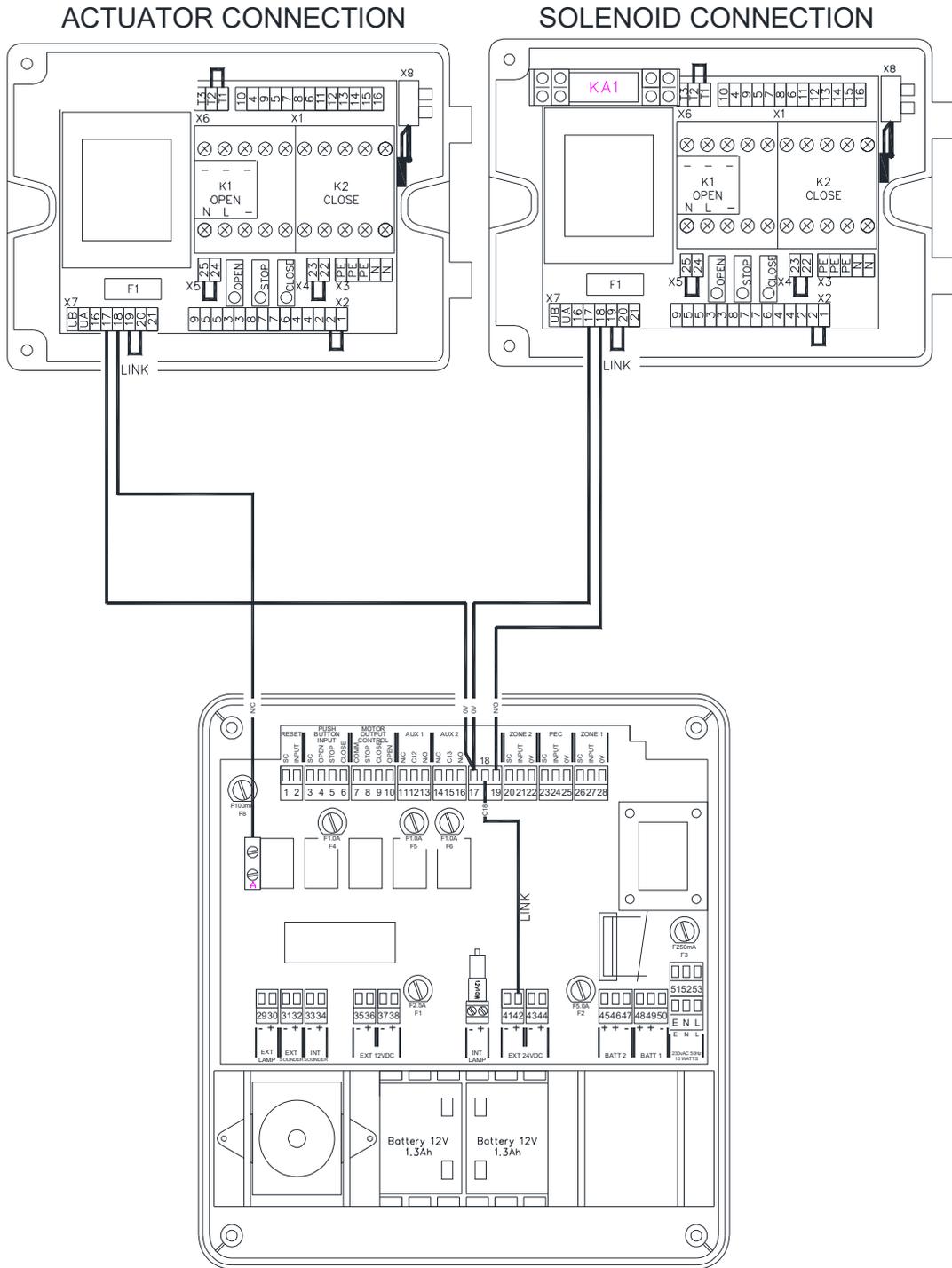
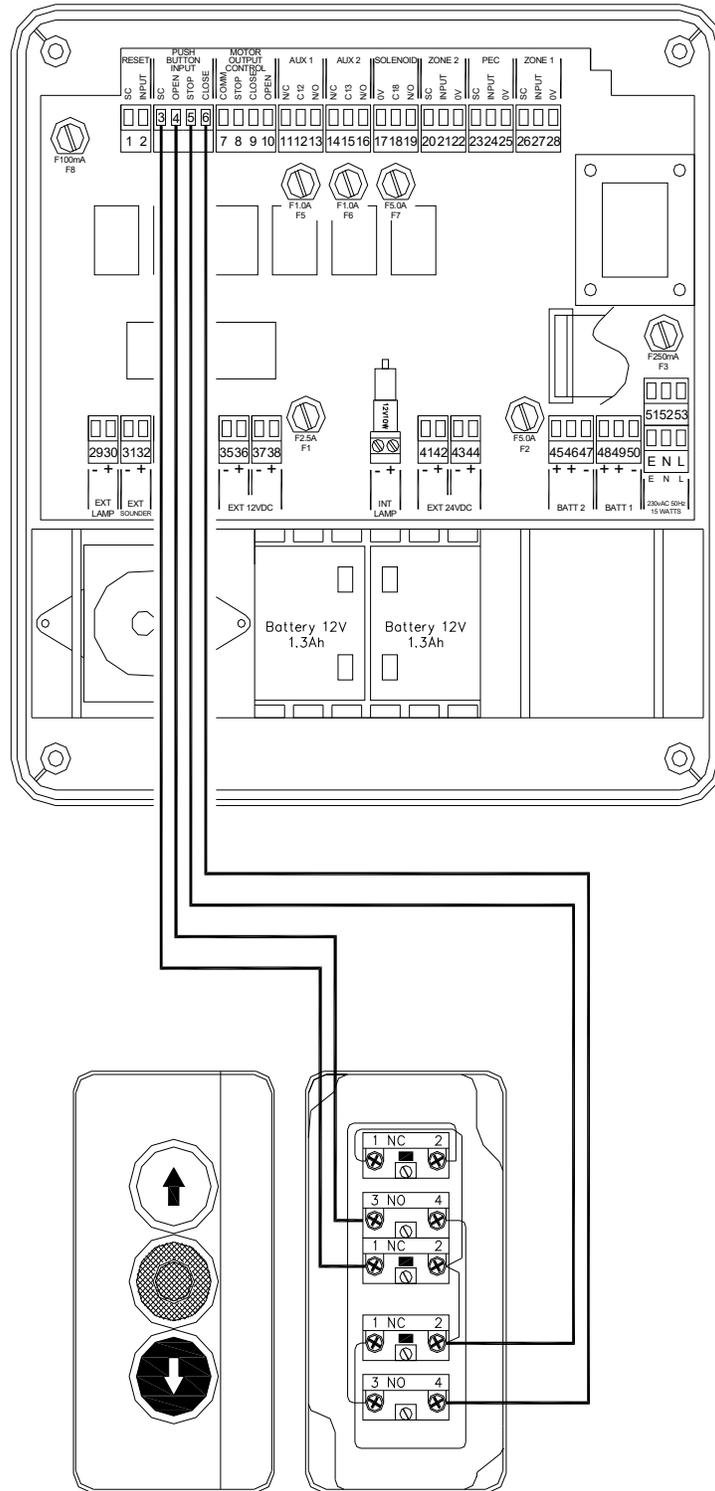


Fig 4b



# Fire Control Panel 03 – Connection Drawings

## GE3A – Connecting a 3 Push Button Station.



**Fig 5b**

If the Fire Shutter is used for access the Push Button Station must be in clear view of the Shutter, operated by trained users only and must be “hold to run” when closing.

# Fire Control Panel 03 – Alarm Connection Drawings

The Fire Control Panel 03, FCP03, will accept DC or Volt Free Fire Alarm Signals from a central Fire Alarm System or Local Heat or Smoke Detectors.

The FCP03 can be set for:

- Single Alarm Full Close activation
- Dual Alarm Zone 1 and Zone 2 Alarm Full Close activation
- 2 Stage Alarm, Zone 1 Alarm Part Close, Zone 2 Alarm Full Close.

## Connection of Single Alarm for Full Close Activation

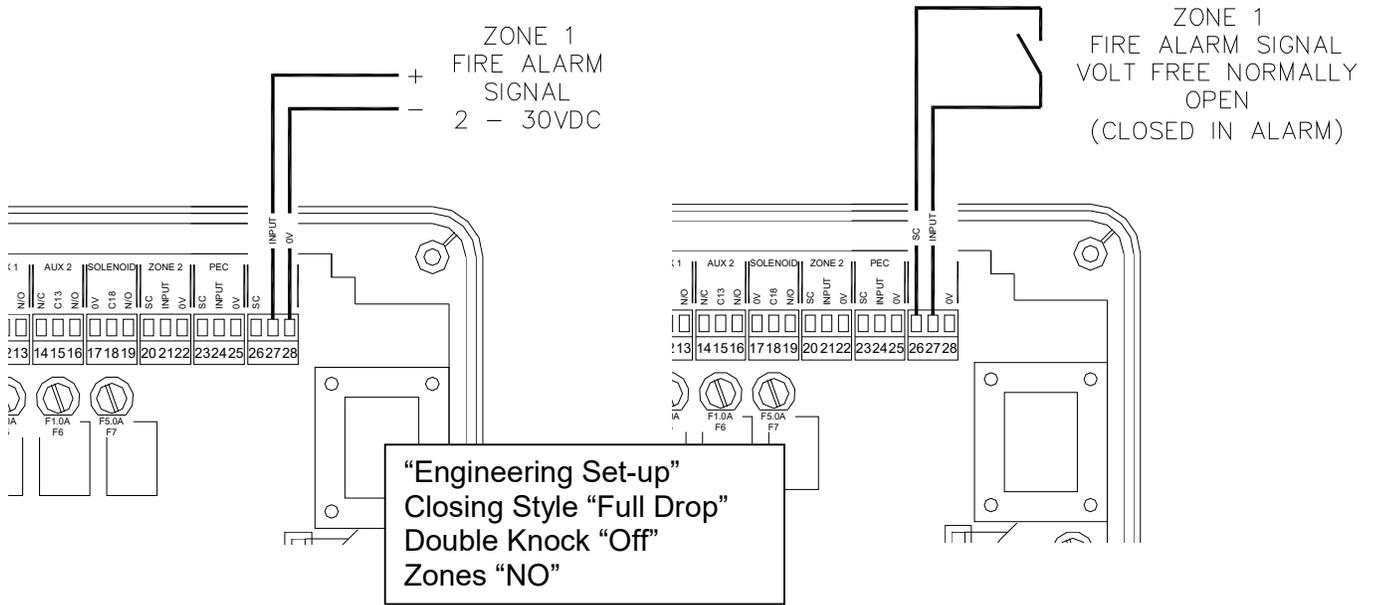


Fig 6a

Fig 6b

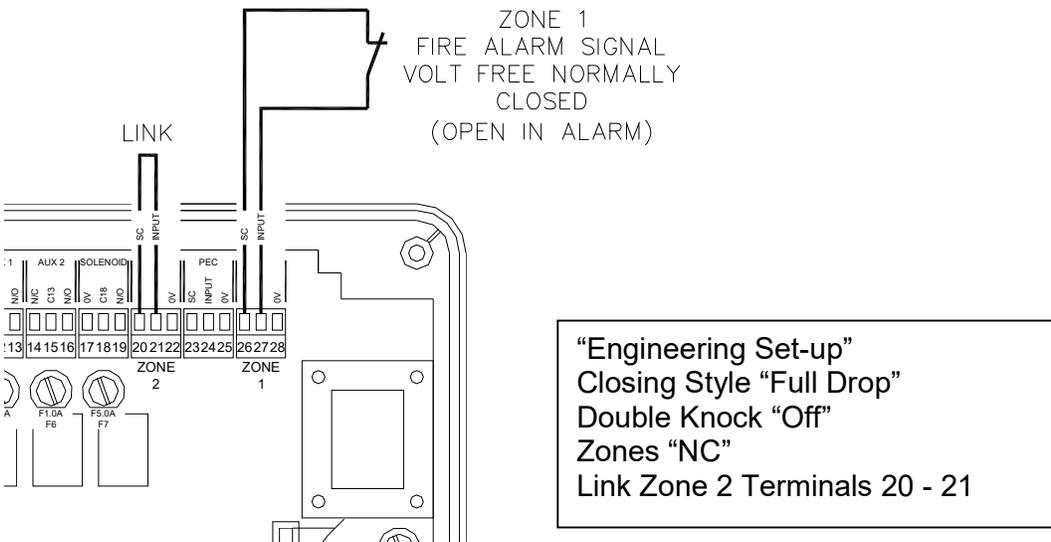


Fig 6c



# Fire Control Panel 03 – Alarm Connection Drawings

## Connection of Dual Alarm Zone 1 and Zone 2 Alarm Full Close activation

In this configuration **both** Alarms must be triggered to activate the Fire Control Panel 03. If only 1 Alarm is triggered the Aux 1 relay is energised.

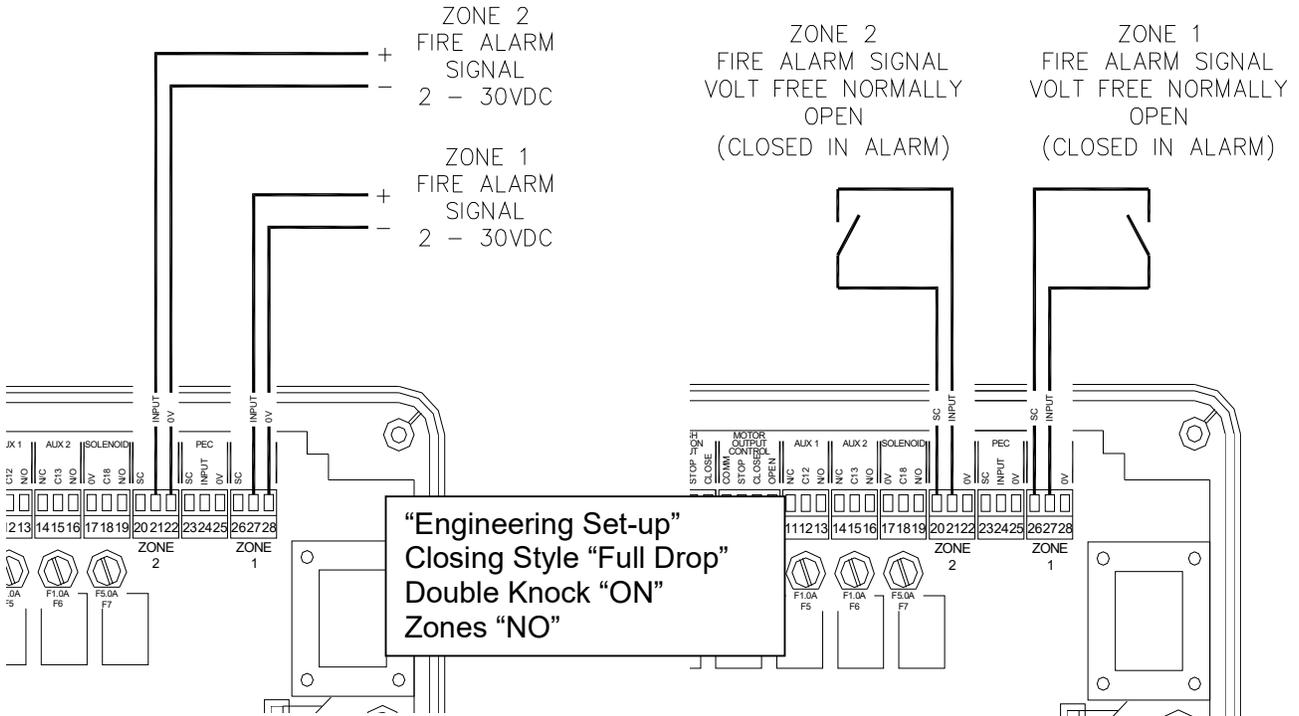


Fig 7a

Fig 7b

ZONE 2 ALARM SIGNAL FREE NORMALLY CLOSED EN IN ALARM)

ZONE 1 FIRE ALARM SIGNAL VOLT FREE NORMALLY CLOSED (OPEN IN ALARM)

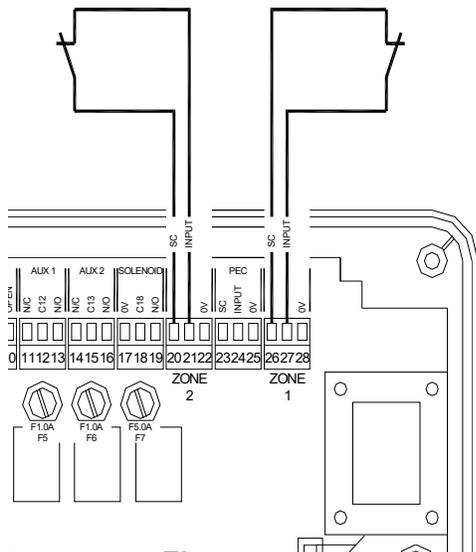


Fig 7c

# Fire Control Panel 03 – Alarm Connection Drawings

## Stage Alarm, Zone 1 Alarm Part Close, Zone 2 Alarm Full Close.

(2 Stage Alarm operation only functions when mains power is available)

In this configuration the Shutter closes to a set height on activation of Zone 1 Alarm and closes completely on activation of Zone 2 Alarm.

If Zone 2 Alarm is activated before Zone 1 Alarm the instructions for Zone 1 are carried out before the instructions for Zone 2 Alarm.

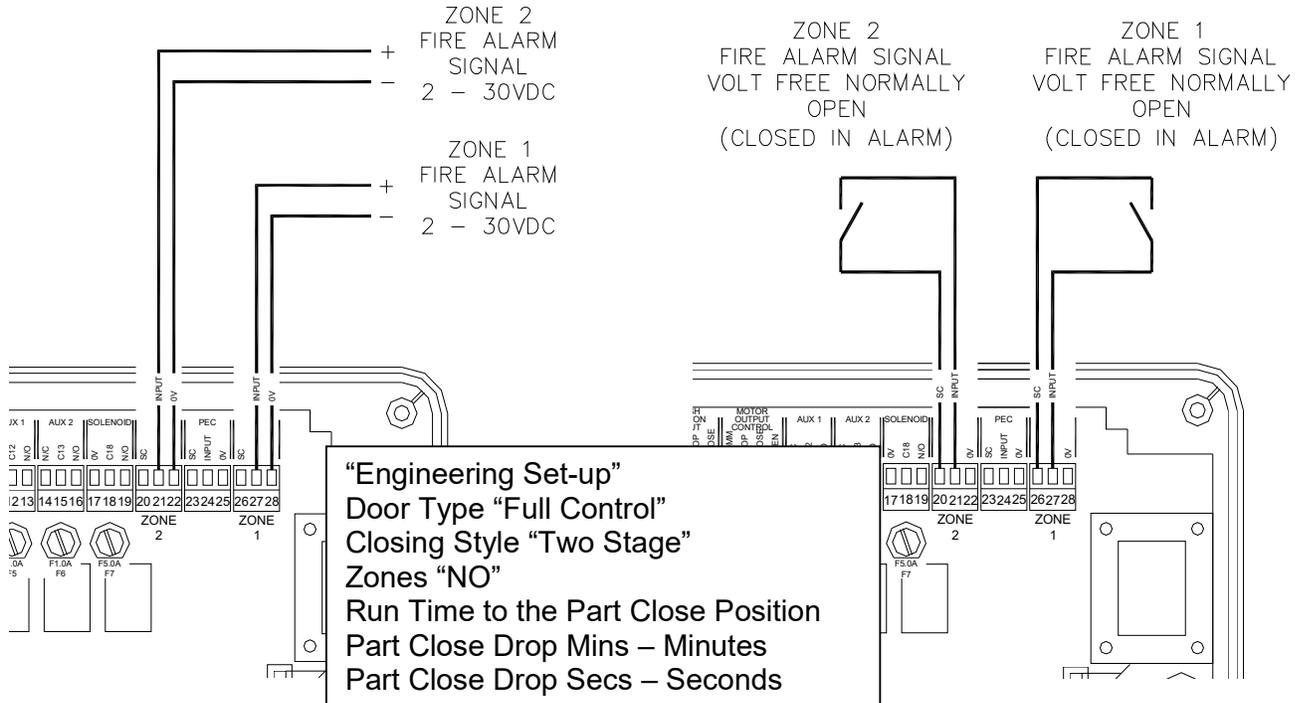


Fig 8a

Fig 8b

ZONE 2  
ALARM SIGNAL  
FREE NORMALLY  
CLOSED  
EN IN ALARM)

ZONE 1  
FIRE ALARM SIGNAL  
VOLT FREE NORMALLY  
CLOSED  
(OPEN IN ALARM)

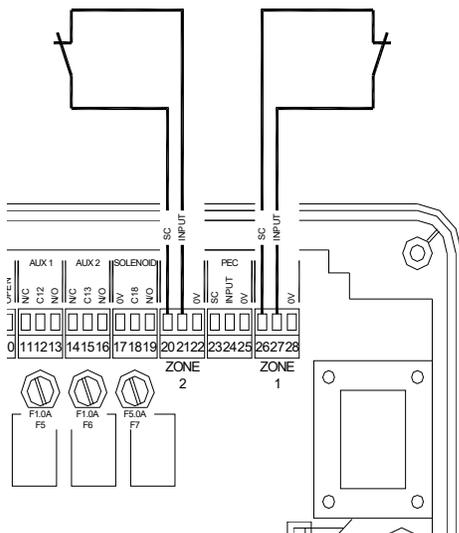
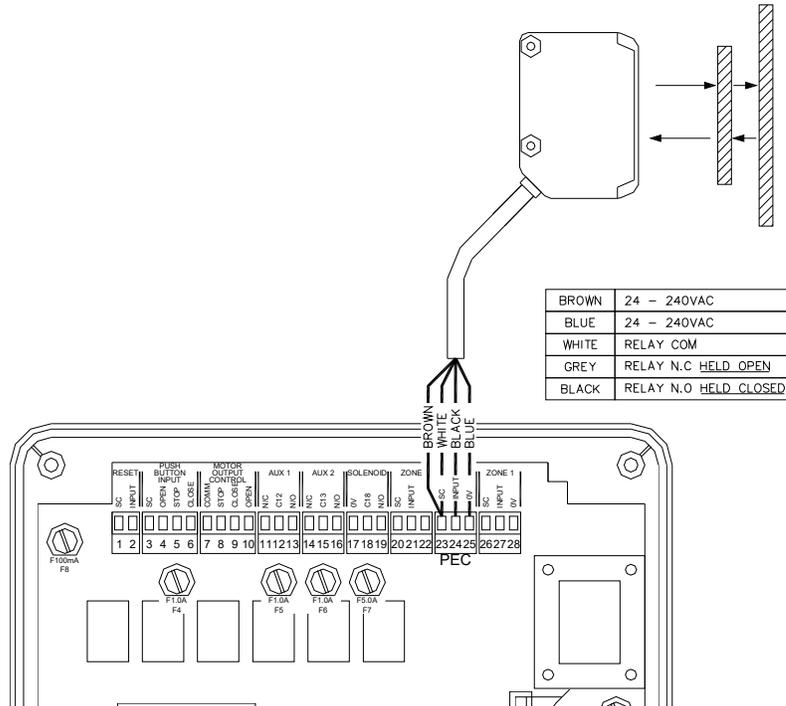


Fig 8c

# Fire Control Panel 03 – Photo Beam Connection Drawings

## Connection of a Reflective Photo Beam

PES135/6 – 6M RANGE  
 PES135/9 – 9M RANGE  
 POLARISED REFLEX PHOTO BEAM

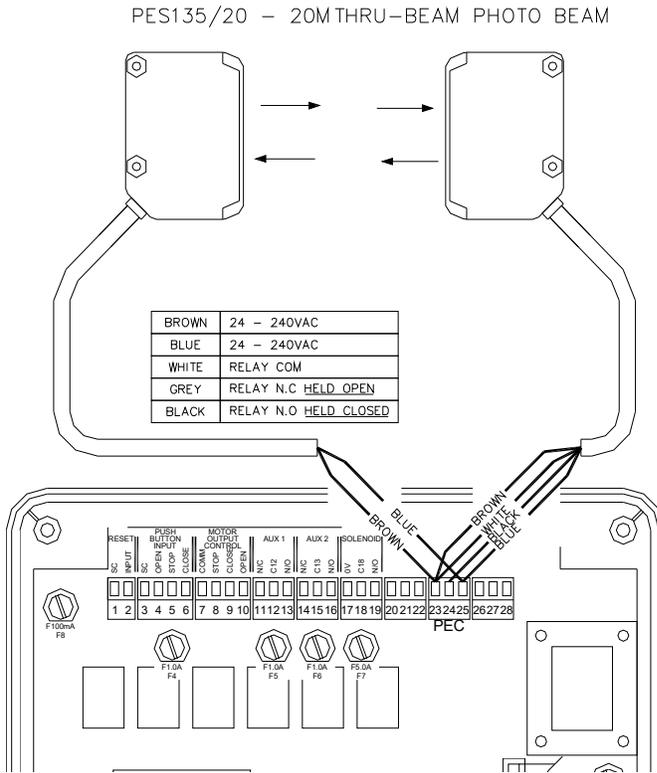


**“Engineering Set-up”**  
 Door Type “Full Control”  
 Safety Circuit Hunting “Ignore” The Photo Beam is ignored during Normal Operation.  
 Safety Circuit Hunting “Stop” Obstructing the Photo Beam will Stop the Shutter from Closing by Push Button / Key Switch Operation.  
 Safety Circuit “Both” Obstructing the Photo Beam will Stop Full Close and Part Close Alarm Sequence.  
 Safety Circuit “Full” Obstructing the Photo Beam will Stop Full Close Alarm Sequence.  
 Safety Circuit “Part” Obstructing the Photo Beam will Stop Part Close Alarm Sequence.  
 Safety Circuit “Off” The Photo Beam Input is ignored during the Alarm Sequence.  
 Number of Retries “x” If the Photo Beam is Obstructed the Alarm Close Sequence will continue ignoring the obstruction after “x” number of tries. “000” = Unlimited Retries.  
 Pause Length “mins”, “secs” When the Photo Beam is Obstructed the Alarm Closing Sequence is interrupted for the time set.  
 Re-Open “Off” no re-open / “On” Set the Reopen Time “mins”, “secs”.

**Fig 9a**

# Fire Control Panel 03 – Photo Beam Connection Drawings

## Connection of a Thru-beam Photo Beam



### “Engineering Set-up”

#### Door Type “Full Control”

Safety Circuit Hunting “Ignore” The Photo Beam is ignored during Normal Operation.

Safety Circuit Hunting “Stop” Obstructing the Photo Beam will Stop the Shutter from Closing by Push Button / Key Switch Operation.

Safety Circuit “Both” Obstructing the Photo Beam will Stop Full Close and Part Close Alarm Sequence.

Safety Circuit “Full” Obstructing the Photo Beam will Stop Full Close Alarm Sequence.

Safety Circuit “Part” Obstructing the Photo Beam will Stop Part Close Alarm Sequence.

Safety Circuit “Off” The Photo Beam Input is ignored during the Alarm Sequence.

Number of Retries “x” If the Photo Beam is Obstructed the Alarm Close Sequence will continue ignoring the obstruction after “x” number of tries. “000” = Unlimited Retries.

Pause Length “mins”, “secs” When the Photo Beam is Obstructed the Alarm Closing Sequence is interrupted for the time set.

Re-Open “Off” no re-open / “On” Set the Reopen Time “mins”, “secs”.

Fig 9b

## Fire Control Panel 03 – Set Up

### To Enter the FCP03 Set-Up Menus

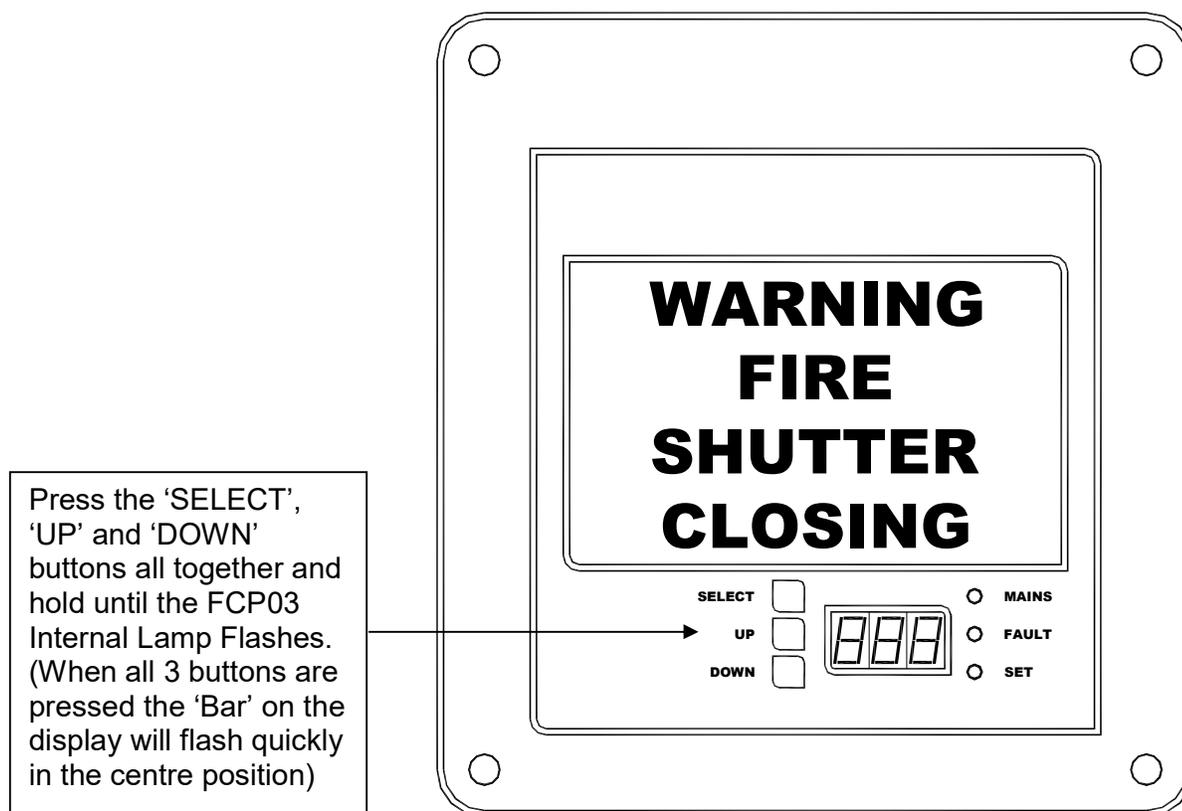


Fig 10

The Message 'ENGINEERS SETUP' followed by 'FASTSET 1' will scroll across the display. Press the 'UP' button to scroll through FASTSET 1 to 5. (See the Fast-set Tables and drawings on pages 19 - 24)

**N.B. Pressing 'SELECT' sets the FCP03 to the Fastset last displayed.**

**ONLY PRESS SELECT IF YOU ARE SURE THAT YOU WANT TO CHANGE THE FCP03 FUNCTIONS.**

Press 'Down' to scroll back through Fastset 5 to 1. From Fastset 1 press 'DOWN' to 'EDIT DELAYS'. Press 'SELECT' to set or change the delay timers.

Press 'DOWN' from 'EDIT DELAYS' to display 'EDIT ALL'. Press 'SELECT' gives access to all the parameters for customised operations. (See Engineers Set Up Description of Functions pages 25 – 31)

## Fire Control Panel 03 – Fast Set Tables

Fast-sets are a quick means of setting the FCP03 Fire Control Panel to commonly used configurations.

		Fast-sets				
		1	2	3	4	5
<b>Door Type</b>	Solenoid Drop	X	X			
	Full Control			X	X	X
<b>Closing Style</b>	2 Stage Close					X
	Full Drop	X	X	X	X	
<b>Double Knock</b>	Off	X	X	X	X	X
	On					
<b>Safety Circuit Hunting</b>	Ignore	X	X	X	X	X
	Stop					
<b>Safety Circuit</b>	Both					
	Full					
	Part					
	Ignore/Off	X	X	X	X	X
	No of Retries if applic					
	Pause Length					
	<i>Mins</i>					
<i>Secs</i>						
<b>Reopen</b>	Off	X	X	X	X	X
	On					
	<i>Mins</i>					
	<i>Secs</i>					
<b>Door Delays</b>	Part Close Delay					X
	<i>Mins</i>					0
	<i>Secs</i>					0
	Part Close Drop					X
	<i>Mins</i>					0
	<i>Secs</i>					0
	Full Close Delay	X	X	X	X	X
	<i>Mins</i>	0	0	0	0	0
	<i>Secs</i>	0	0	0	0	0
	Full Close Drop	X	X	X	X	X
	<i>Mins</i>	0	0	0	0	0
	<i>Secs</i>	0	0	0	0	0

Table 1a

## Fire Control Panel 03 – Fast Set Tables

		Fast-sets				
		1	2	3	4	5
<b>Part Close Set Up</b>	Sign Off					X
	Sign On					
	Flashing Off					
	Flashing On					
	Sounder Off					X
	Sounder On					
	Aux 1 Off					
	Aux 1 On					X
<b>Part Close End Set Up</b>	Sign Off					X
	Sign On					
	Flashing Off					
	Flashing On					
	Sounder Off					X
	Sounder On					
	Aux 1 Off					
	Aux 1 On					X
<b>Full Close Set Up</b>	Sign Off					
	Sign On	X	X	X	X	X
	Flashing Off					
	Flashing On	X	X	X	X	X
	Sounder Off					
	Sounder On	X	X	X	X	X
	Aux 1 Off					
	Aux 1 On	X	X	X	X	X
<b>Full Close End Set Up</b>	Sign Off		X		X	X
	Sign On	X		X		
	Flashing Off					
	Flashing On	X		X		
	Sounder Off		X		X	X
	Sounder On	X		X		
	Aux 1 Off					
	Aux 1 On	X	X	X	X	X
<b>Sounder</b>	(1to16)	1	1	1	1	1

Table 1b

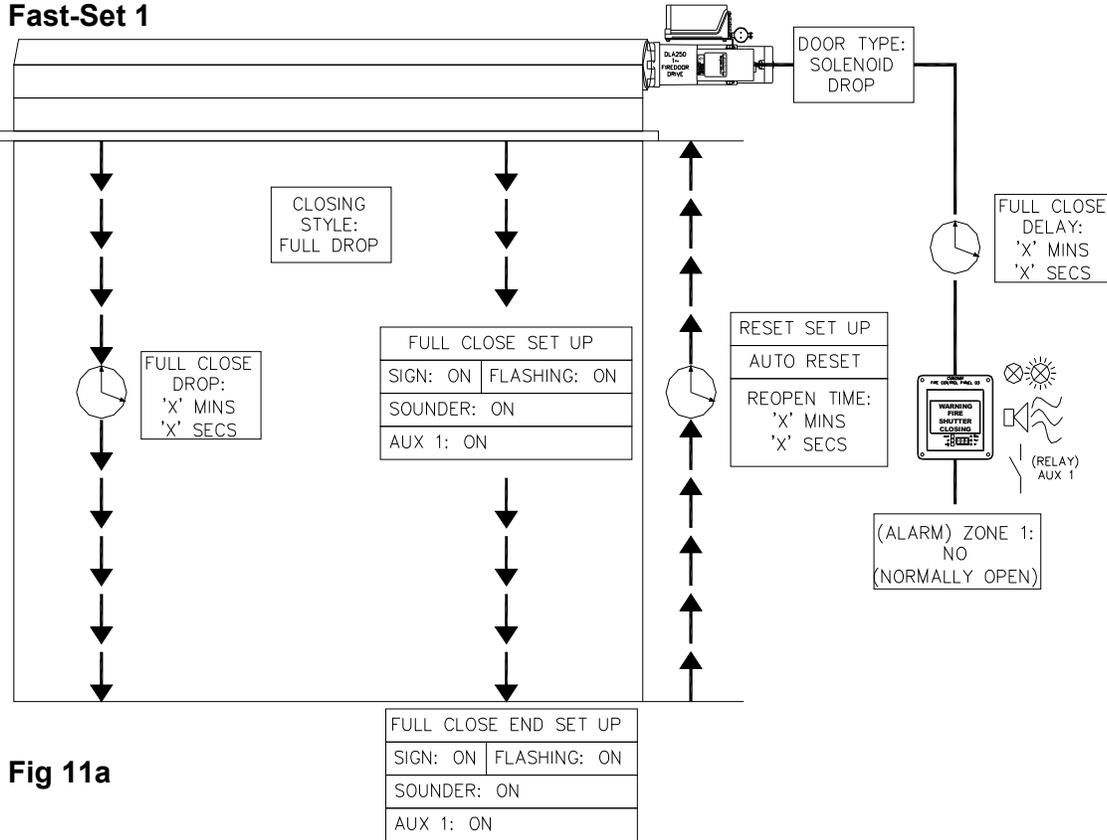
## Fire Control Panel 03 – Fast Set Tables

		Fast-sets				
		1	2	3	4	5
<b>Reset, Setup</b>	Auto Reset	X	X	X	X	X
	Reopen Time	X	X	X	X	X
	Mins	0	0	0	0	0
	Secs	0	0	0	0	0
	Button Press					
<b>Power Failure</b>	Off	X	X	X	X	X
	Both					
	Low Battery					
	Mains					
<b>Aux 2 Setup</b>	None	X	X	X		X
	Imitate Stop Relay					
	Imitate Close Relay					
	Imitate Open Relay				X	
	Imitate Trigger Relay					
	Indicate Mains Failure					
	Indicate Battery Failure					
<b>PEC Alarm</b>	Off	X	X	X	X	X
	On					
	Activation Delay Mins					
<b>Trigger Delay (10 Secs)</b>	Off	X	X	X	X	X
	On					
<b>Zones</b>	Normaly Open (N/O)	X	X	X	X	X
	Normaly Closed (N/C)					

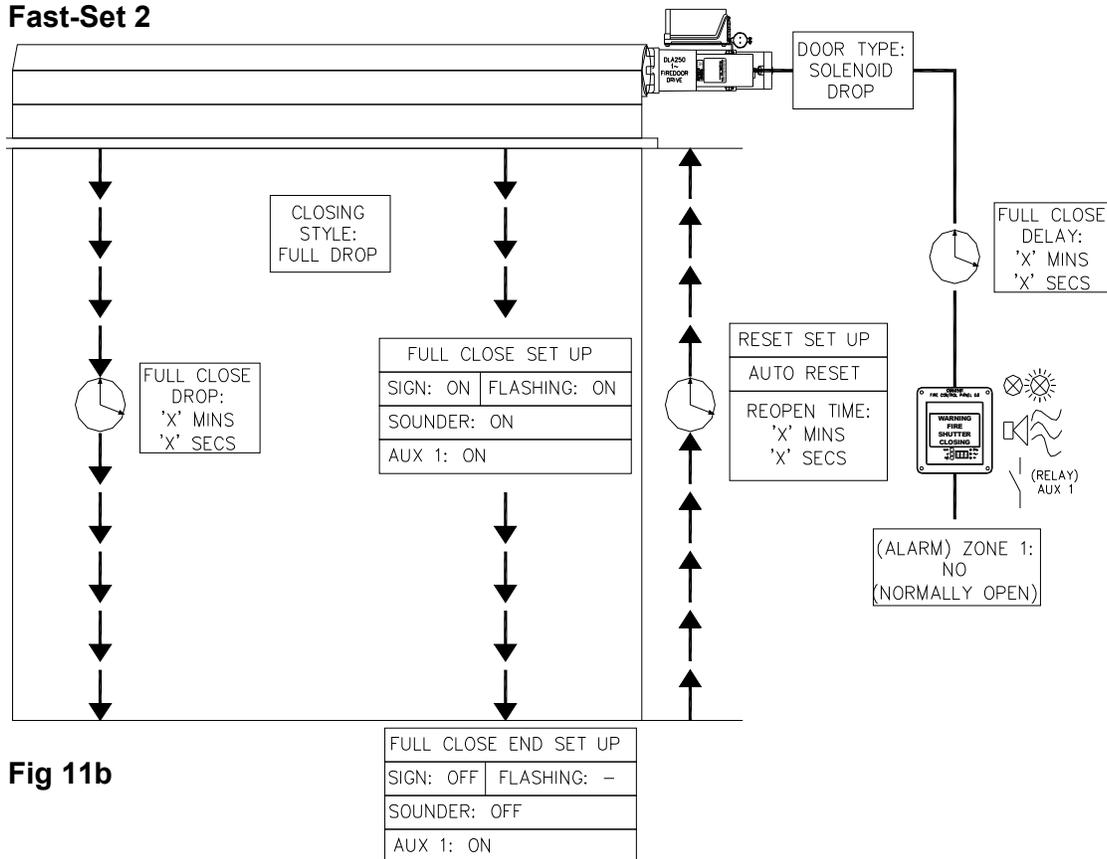
Table 1c

# Fire Control Panel 03 – Fast Set Drawings

## Fast-Set 1

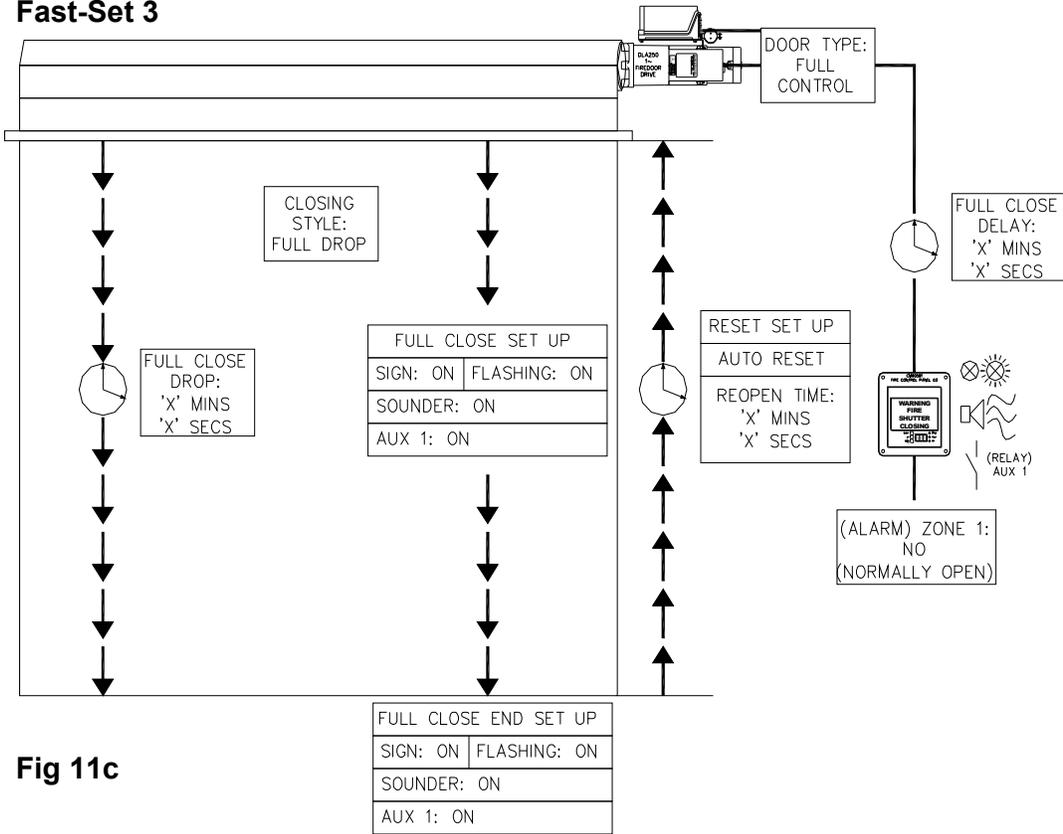


## Fast-Set 2



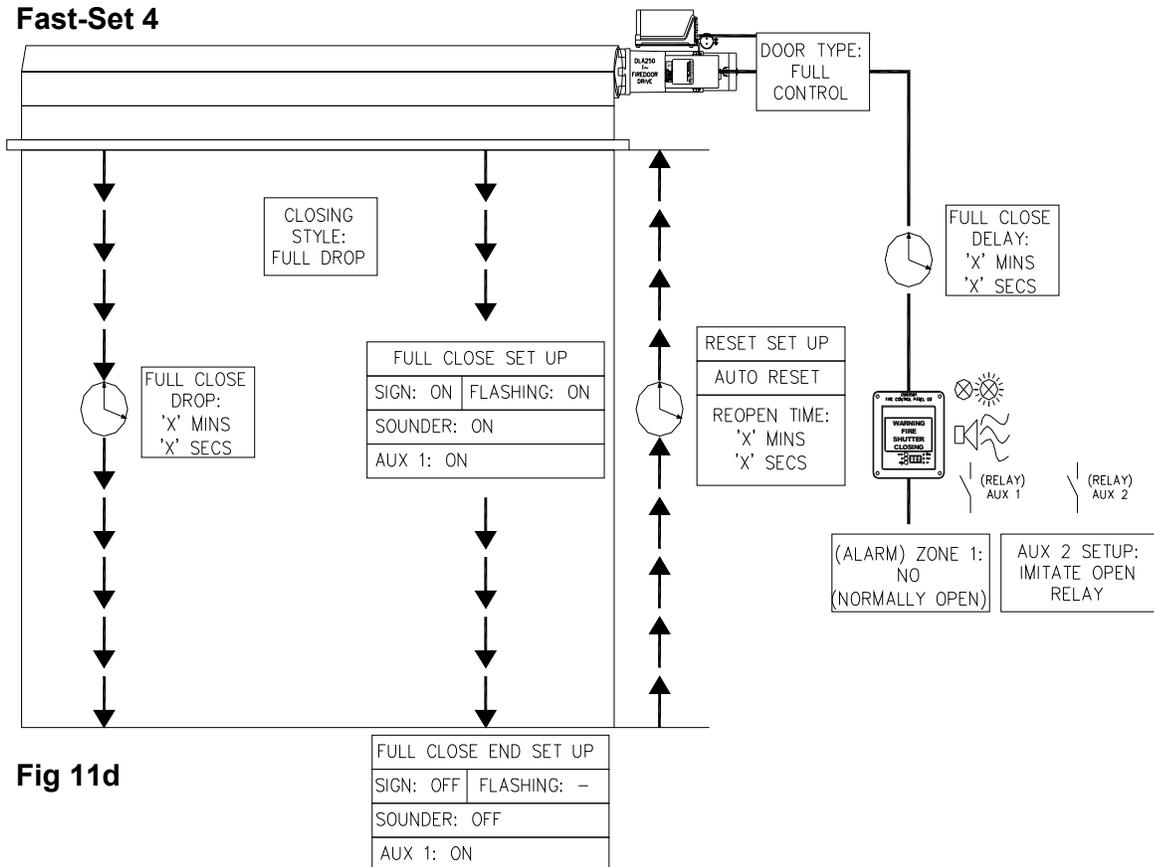
# Fire Control Panel 03 – Fast Set Drawings

**Fast-Set 3**



**Fig 11c**

**Fast-Set 4**



**Fig 11d**

# Fire Control Panel 03 – Fast Set Drawings

## Fast-Set 5

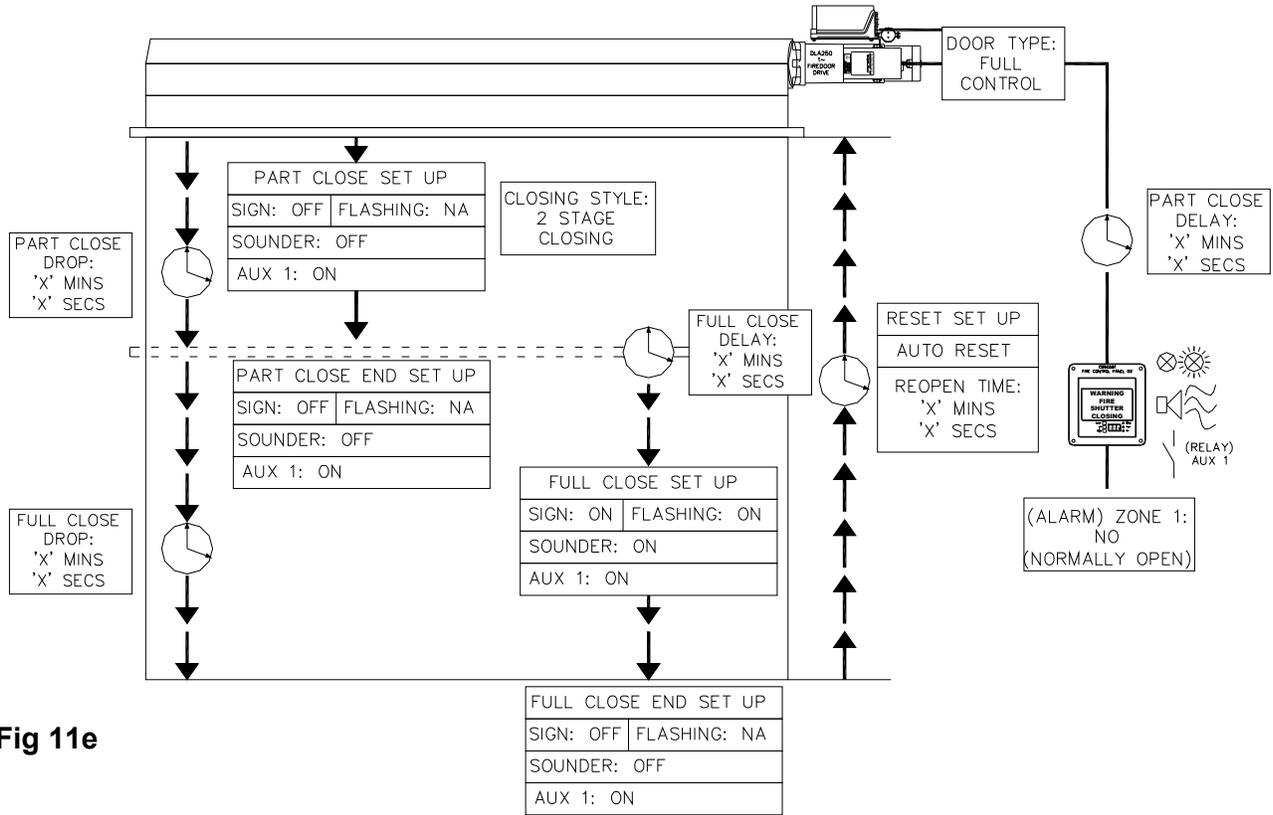


Fig 11e

# Fire Control Panel 03 – Engineers Set Up

## Description of Functions

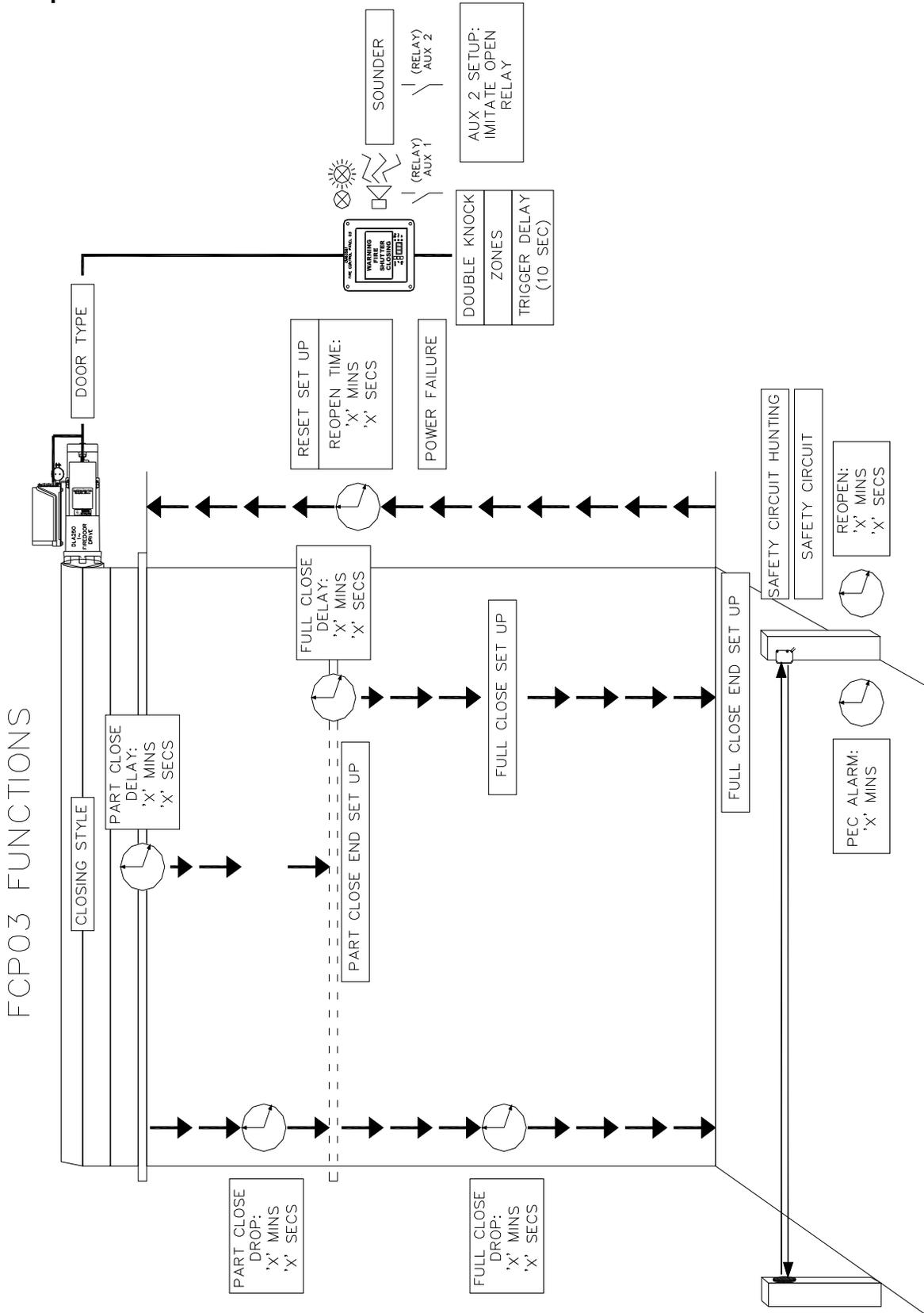


Fig 12

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## Fire Control Panel 03 – Engineers Set Up

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### 1. DOOR TYPE - Solenoid Drop or Full Control

#### Solenoid Drop

When an Alarm is raised the Fire Shutter Alarm Solenoid is energized and the Shutter closes by controlled Gravity descent.

#### Full Control

If Mains Power is on when an Alarm is raised the Shutter closes by powered operation. (Normal motor driven)

If Mains Power has failed when an Alarm is raised the Fire Shutter Alarm Solenoid is energized and the Shutter closes by controlled Gravity descent.

### 2. CLOSING STYLE (Only if Door Type = Full Control) – 2 Stage Drop or Full Drop

#### 2 Stage Drop

The Fire Shutter closes to a set height on activation of Zone 1 Alarm, closing completely on activation of Zone 2 Alarm.

If Zone 2 Alarm is activated before Zone 1 closing to the Zone 1 position is carried out before the Zone 2 complete closing.

This option is not displayed if Door Type Solenoid Drop is selected.

#### Full Drop

The Shutter closes in one drop.

### 3. DOUBLE (KNOCK) NOC (Only if Closing Style = Full Drop) – Off or On

#### OFF

Ignores the Double Noc Option.

#### ON

Alarm Zones 1 & 2 must both be triggered before the FCP03 will activate the Alarm closing Sequence.

If only one of the Zones triggers the AUX 1 relay is energised.

This option is not displayed if Closing Style 2 Stage Drop is selected.

### 4. SAFETY CIRCUIT-HUNTING - Ignore or Stop

If a Photo Beam is installed this setting controls the response of the shutter during normal push button / key switch powered operation.

#### IGNORE

The Photo Beam does not stop the shutter during normal powered close operation.

#### STOP

If the Photo Beam is obstructed during normal Push Button / Key Switch powered close operation the Shutter will stop.

The Shutter will continue to close when the Photo Beam is clear of obstruction and a Close Push Button / Key Switch is operated.

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## Fire Control Panel 03 – Engineers Set Up

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### 5. SAFETY CIRCUIT (Only if Door Type = Full Control)

Closing Style Full Drop – Off or On

Closing Style 2 Stage Drop – Both, Full, Part or Ignore

If a Photo Beam is installed this setting controls the response of the shutter during powered Alarm operation.

Closing Style Full Drop

OFF

The Photo Beam does not stop the Shutter from closing.

ON

If the Photo Beam is obstructed during powered Alarm close operation the Shutter will stop. Further Options become available when this is set ON. See below \*\*

Closing Style 2 Stage

BOTH

If the Photo Beam is obstructed during either Stage 1 part close or Stage 2 full close powered Alarm sequence the Shutter will stop.

FULL

If the Photo Beam is obstructed during Stage 2, full close, powered Alarm sequence the Shutter will stop. The Photo Beam does not stop the Shutter during Stage 1 part close sequence.

PART

If the Photo Beam is obstructed during Stage 1, part close, powered Alarm sequence the Shutter will stop. The Photo Beam does not stop the Shutter during Stage 2 full close sequence.

**Further Options become available when this is set BOTH, FULL or PART. See below \*\***

IGNORE

The Photo Beam does not stop the Shutter from closing.

**\*\*SUB MENU OPTIONS (Only if Safety Circuit = ON, BOTH, FULL or PART)**

#### 5a. NO OF RETRIES

During an Alarm if the Photo Beam is continuously obstructed the FCP03 can be programmed to ignore the Photo Beam after checking “x” times to see if the obstruction has been removed. For unlimited retries set the number of retries counter to 000.

#### 5b. PAUSE LENGTH – MINS, SECS

During an Alarm obstructing the Photo Beam stops the Shutter, it will try to close again after the time set by the “Pause Length”. The pause length is set in minutes and seconds.

#### 5c. REOPEN – Off or On

OFF

After the Pause Length Time the Shutter continues to close.

ON

After the Pause Length Time the Shutter reopens for the time set “REOPEN TIME”

#### 5d. REOPEN TIME – MINS, SECS

The Reopen Time is set in minutes and seconds

**Options 5, 5a, 5b, 5c and 5d are not displayed if Door Type Solenoid Drop is selected.**

**If Door Type Full Control is set and the Mains Power has failed the Alarm Solenoid is energized and the Shutter will close by Gravity. Obstructing the Photo Beam will not stop the shutter.**

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## Fire Control Panel 03 – Engineers Set Up

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### 6. DOOR DELAYS

#### 6a. Part Close Delay (Only if Closing Style = 2 Stage Drop)

On activation of Zone 1 the Part Close Delay timer starts to count down.  
The shutter will start to close when the Part Close Delay time elapses.

#### 6b. Part Close Drop (Only if Closing Style = 2 Stage Drop)

The motor control close relay is energised for the duration of the Part Close Drop time. (The runtime to close to the Part Close position.)

The Part Close Drop timer starts once the Part Close Delay time has elapsed.

#### 6c. Full Close Delay

**If the Closing Style = 2 Stage Drop Zone 2 Alarm starts the Full Close Delay.**

**If the Closing Style = Full Drop Zone 1 Alarm starts the Full Close Delay.**

On activation the Full Close Delay timer starts to count down.

The shutter will start to close when the Full Close Delay time elapses.

#### 6d. Full Close Drop

The motor control close relay or the alarm solenoid relay is energised for the duration of the Full Close Drop time. (The runtime to close to the Fully Closed position.)

The Full Close Drop timer starts once the Full Close Delay time has elapsed.

### Controlling the Sign Sounder and Trigger Relay

The Sign, Sounder and Trigger Relay can be programmed to turn ON and OFF at the Start and End of each Alarm stage.

### 7. PART CLOSE SET-UP (Only if Closing Style = 2 Stage Drop)

Part Close is triggered by activation of Zone 1 Alarm. Select the operation, ON / OFF and Flashing, of the Lamp, Sounder and Relay 'Aux 1' during the Part Close Delay Time and Closing movement.

#### 7a. Sign

On

The Internal and External Lamp connections are energised.

OFF

The Internal and External Lamp connections are not energised.

Flash (Option only displayed when 7a. Sign is 'ON')

ON

The Internal and External Lamp flashes.

OFF

The Internal and External Lamp are on 'continuous'.

#### 7b. Sounder

On

The Sounder is energised.

OFF

The Sounder is not energised.

#### 7c. Aux 1

On

The Relay 'Aux 1' is energised.

OFF

The Relay 'Aux 1' is not energised.

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## Fire Control Panel 03 – Engineers Set Up

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### 8. Part Close End Set Up

Select the operation, ON / OFF and Flashing, of the Lamp, Sounder and Relay 'Aux 1' when the Shutter has stopped at the Part Close Position

#### 8a. Sign

On

The Internal and External Lamp connections are energised.

OFF

The Internal and External Lamp connections are not energised.

Flash (Option only displayed when 7a. Sign is 'ON')

ON

The Internal and External Lamp flashes.

OFF

The Internal and External Lamp are on 'continuous'.

#### 8b. Sounder

On

The Sounder is energised.

OFF

The Sounder is not energised.

#### 8c. Aux 1

On

The Relay 'Aux 1' is energised.

OFF

The Relay 'Aux 1' is not energised.

### 9. Full Close Set-Up

Select the operation, ON / OFF and Flashing, of the Lamp, Sounder and Relay 'Aux 1' during the Full Close Delay Time and Closing movement.

#### 9a. Sign

On

The Internal and External Lamp connections are energised.

OFF

The Internal and External Lamp connections are not energised.

Flash (Option only displayed when 7a. Sign is 'ON')

ON

The Internal and External Lamp flashes.

OFF

The Internal and External Lamp are on 'continuous'.

#### 9b. Sounder

On

The Sounder is energised.

OFF

The Sounder is not energised.

#### 9c. Aux 1

On

The Relay 'Aux 1' is energised.

OFF

The Relay 'Aux 1' is not energised.

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## Fire Control Panel 03 – Engineers Set Up

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### 10. Full Close End Set Up

Select the operation, ON / OFF and Flashing, of the Lamp, Sounder and Relay 'Aux 1' when the Shutter has Fully Closed. (The end of the Full Close Drop Time)

#### 10a. Sign

On

The Internal and External Lamp connections are energised.

OFF

The Internal and External Lamp connections are not energised.

Flash (Option only displayed when 7a. Sign is 'ON')

ON

The Internal and External Lamp flashes.

OFF

The Internal and External Lamp are on 'continuous'.

#### 10b. Sounder

On

The Sounder is energised.

OFF

The Sounder is not energised.

#### 10c. Aux 1

On

The Relay 'Aux 1' is energised.

OFF

The Relay 'Aux 1' is not energised.

### 11. Sounder

1 to 16

Select 1 of 16 different tones. This can be used to differentiate between different devices or FCP03 panels in the same area.

### 12. RESET SET-UP

**When the Alarms are Reset the FCP03 and Shutter can be Reset by:**

Button Press

An External Push Button connected to terminals T1 and T2 or any 1 of the 3 Buttons on the front of the panel.

Auto Reset

The Panel will Automatically Reset when the Alarm is removed and the Mains Power is on.

Re-Open Timer (Only if Reset Set-Up = Auto Reset)

If the Re-Open Timer is set to 000 minutes, 000 seconds the Shutter remains closed when the FCP03 is Reset. If a Time is set the Shutter will Automatically Open for the Time set by the Re-Open Timer.

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## Fire Control Panel 03 – Engineers Set Up

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### 13. Power Failure

The FCP03 can be set to trigger the Alarm sequence if Mains Power Fails and/or the Battery Voltage is Low.

Off

Mains Failure or Low Battery Voltage does not trigger the FCP03.

Both

Mains Failure or Low Battery Voltage triggers the FCP03 Alarm Sequence.

Low Battery

Low Battery Voltage triggers the FCP03 Alarm Sequence. Mains Power Failure does not.

Mains

Mains Power Failure triggers the FCP03 Alarm Sequence. Low Battery Voltage does not.

**N.B. IF BOTH OR MAINS POWER FAIL IS SELECTED THE SHUTTER WILL CLOSE BY SOLENOID OPERATION WHEN THE MAINS POWER FAILS. THE PHOTO BEAM WILL NOT STOP THE SHUTTER FROM CLOSING.**

### 14. Aux 2

Relay Aux 2 can be set to imitate the following functions.

Stop Relay

Close Relay

Open Relay

Trigger (Alarm) Relay

Mains Fail

Low Battery

### 15. PEC Alarm

ON

In normal operation if the Photo Beam remains continuously obstructed for PEC Time 'x' minutes the FPC03 Sounder will operate.

OFF

Photo Beam obstruction ignored.

### 16. Trigger Delay

ON

The Alarm signal must be present for 10 seconds before the FCP03 will activate. Can be used to prevent nuisance tripping.

OFF

When there is a Fire Alarm signal the FCP03 activates immediately.

### 17. Zones

N/O

For Fire Alarm Systems providing a normally open, clean, contact held closed in Alarm.

N/C

For Fire Alarm Systems providing a normally closed, clean, contact held open in Alarm.

N.B. IF N/C is selected and only 1 Alarm Signal is connected, i.e. to Zone 1 T26 – T27, Link Zone 2 T20 – T2.

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## Fire Control Panel 03 – Trouble Shooting

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### Fault Indication

The LED'S and the Alphanumeric display are off.	The Mains Supply and Batteries are disconnected. The ribbon cable from the front cover to the main PCB is disconnected.
Mains LED is Off, Fault LED On, Sounder bleeps every 10 seconds.	Mains Supply Off
Set LED flashes rapidly	The panel has not been Reset after an Alarm.
The FPC03 Lamp does not flash when pressing the buttons to enter Set-up, Engineering mode.	Batteries are not connected.

### Fault Finding

The Motor will not run.	Check the Motor Supply. Check the Motor Safety Circuit, i.e. Manual Operator, Over travel Limits, Motor Thermal. FCP03 Stop Circuit, terminal 3 – 5, is closed. Check FCP03 Fuse F4.
The Alarm Solenoid will not operate, Shutter does not close in Alarm	Check that the FCP03 is set to: Door Type = Solenoid Drop. Check Fuse F7.
The FCP03 and Shutter do not operate by Alarm.	Check Fuse F8

## Fire Control Panel 03 – Your Settings

Door Type	<b>Solenoid Drop</b>	
	<b>Full Control</b>	
Closing Style	<b>2 Stage Close</b>	
	<b>Full Drop</b>	
Double Knock	<b>Off</b>	
	<b>On</b>	
Safety Circuit Hunting	<b>Ignore</b>	
	<b>Stop</b>	
Safety Circuit	<b>Both</b>	
	<b>Full</b>	
	<b>Part</b>	
	<b>Ignore/Off</b>	
	<b>No of Retries if appl</b>	
	<b>Pause Length</b>	
	<b>Mins</b>	
	<b>Secs</b>	
Reopen	<b>Off</b>	
	<b>On</b>	
	<b>Mins</b>	
	<b>Secs</b>	

Door Delays	<b>Part Close Delay</b>	
	<b>Mins</b>	
	<b>Secs</b>	
	<b>Part Close Drop</b>	
	<b>Mins</b>	
	<b>Secs</b>	
	<b>Full Close Delay</b>	
	<b>Mins</b>	
	<b>Secs</b>	
	<b>Full Close Drop</b>	
	<b>Mins</b>	
	<b>Secs</b>	
Part Close Set Up	<b>Sign Off</b>	
	<b>Sign On</b>	
	<b>Flashing Off</b>	
	<b>Flashing On</b>	
	<b>Sounder Off</b>	
	<b>Sounder On</b>	
	<b>Aux 1 Off</b>	
	<b>Aux 1 On</b>	
Part Close End Set Up	<b>Sign Off</b>	
	<b>Sign On</b>	
	<b>Flashing Off</b>	
	<b>Flashing On</b>	
	<b>Sounder Off</b>	

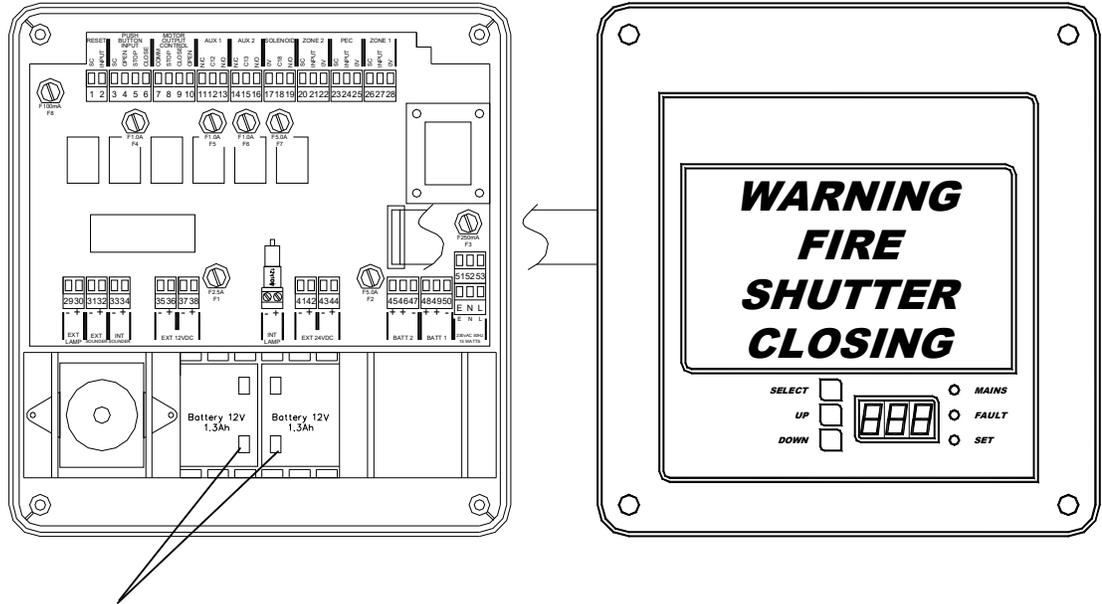
	<b>Sounder On</b>	
	<b>Aux 1 Off</b>	
	<b>Aux 1 On</b>	
Full Close Set Up	<b>Sign Off</b>	
	<b>Sign On</b>	
	<b>Flashing Off</b>	
	<b>Flashing On</b>	
	<b>Sounder Off</b>	
	<b>Sounder On</b>	
	<b>Aux 1 Off</b>	
	<b>Aux 1 On</b>	
Full Close End Set Up	<b>Sign Off</b>	
	<b>Sign On</b>	
	<b>Flashing Off</b>	
	<b>Flashing On</b>	
	<b>Sounder Off</b>	
	<b>Sounder On</b>	
	<b>Aux 1 Off</b>	
	<b>Aux 1 On</b>	
Sounder	<b>(1to16)</b>	
Reset, Setup	<b>Auto Reset</b>	
	<b>Reopen Time</b>	
	<b>Mins</b>	
	<b>Secs</b>	
	<b>Button Press</b>	

Power Failure	<b>Off</b>	
	<b>Both</b>	
	<b>Low Battery</b>	
	<b>Mains</b>	
Aux 2 Setup	<b>None</b>	
	<b>Imitate Stop Relay</b>	
	<b>Imitate Close Relay</b>	
	<b>Imitate Open Relay</b>	
	<b>Imitate Trigger Relay</b>	
	<b>Indicate Mains Failure</b>	
	<b>Indicate Battery Failure</b>	
PEC Alarm	<b>Off</b>	
	<b>On</b>	
	<b>Activation Delay</b>	
	<b>Mins</b>	
Trigger Delay (10 Secs)	<b>Off</b>	
	<b>On</b>	
Zones	<b>Normaly Open (N/O)</b>	
	<b>Normaly Closed (N/C)</b>	

## Fire Control Panel 03 – Replacing the Batteries

### Replacing the Batteries

1. Turn Off the Mains Supply.
2. Remove the Fire Control Panel 03 front cover.



3. Disconnect the Batteries
4. Slide the battery covers off and remove the batteries.
5. Fit new Batteries.  
Only fit batteries of the same type:  
Sonnenschein NGA51201D2HS0SA 12V 1.2Ah  
Energys / Yuasa NP1.2-12  
Hitachi HP1.2-12
6. Reconnect the batteries observing the correct polarity
7. Replace all covers and Turn On the Mains Supply

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