

# SAFEGARD SYSTEMS

A Swegon Group company



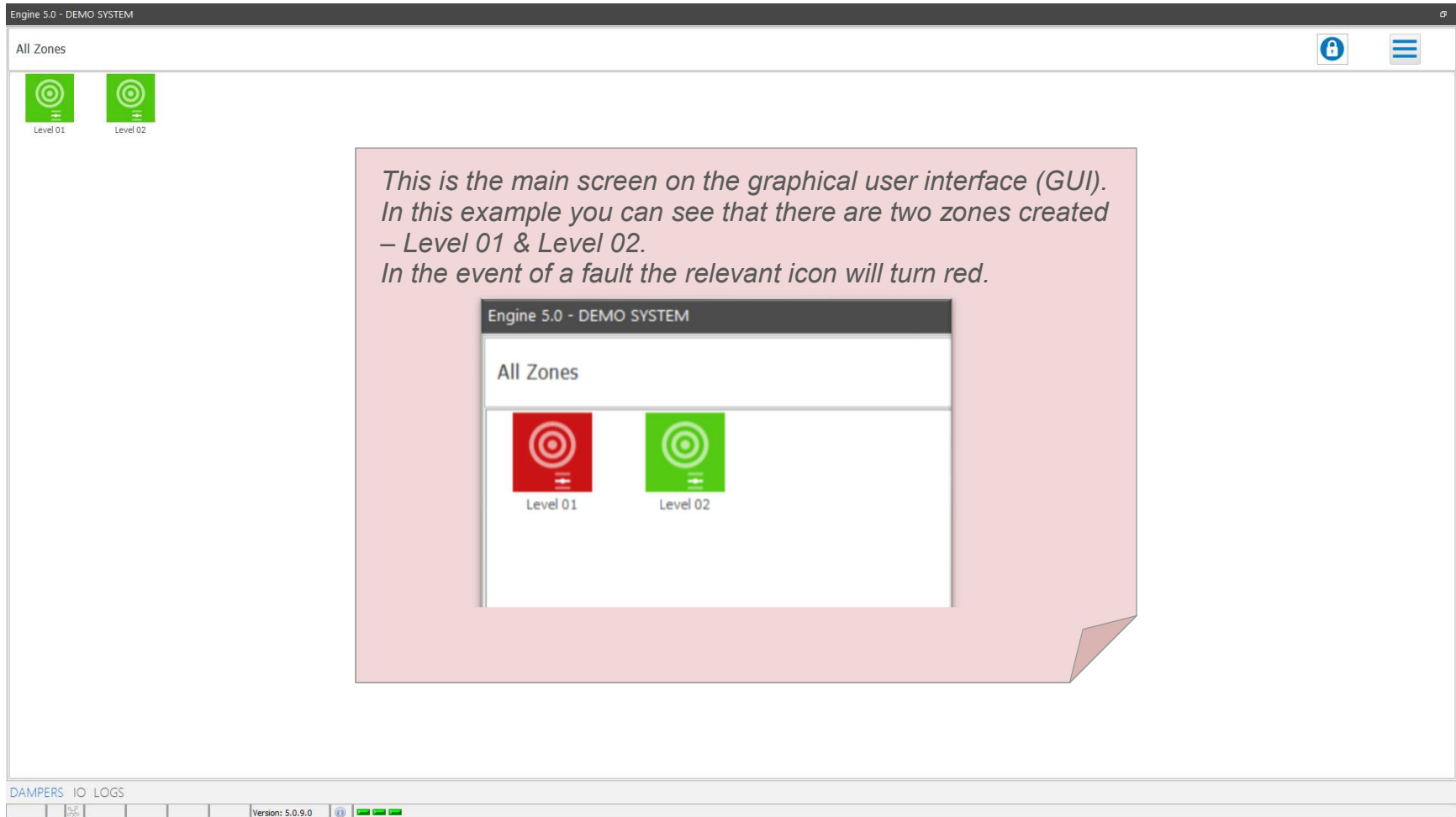
## *ACTIONPAC LNS5 / SAFEGARD V5 USER OPERATING GUIDE*

*Issue 1 – Jan 2019*

---

Actionair – Joseph Wilson Industrial Estate, South St, Whitstable, Kent, UK. CT5 3DU  
Safeguard – 33 Southern Cross Business Park, Bray, County Wicklow, Ireland. A98 HT99

[www.actionair.co.uk](http://www.actionair.co.uk)  
[www.safeguard.ie](http://www.safeguard.ie)



Engine 5.0 - DEMO SYSTEM

All Zones

Level 01 Level 02

Security

1 2 3  
4 5 6  
7 8 9  
0 C

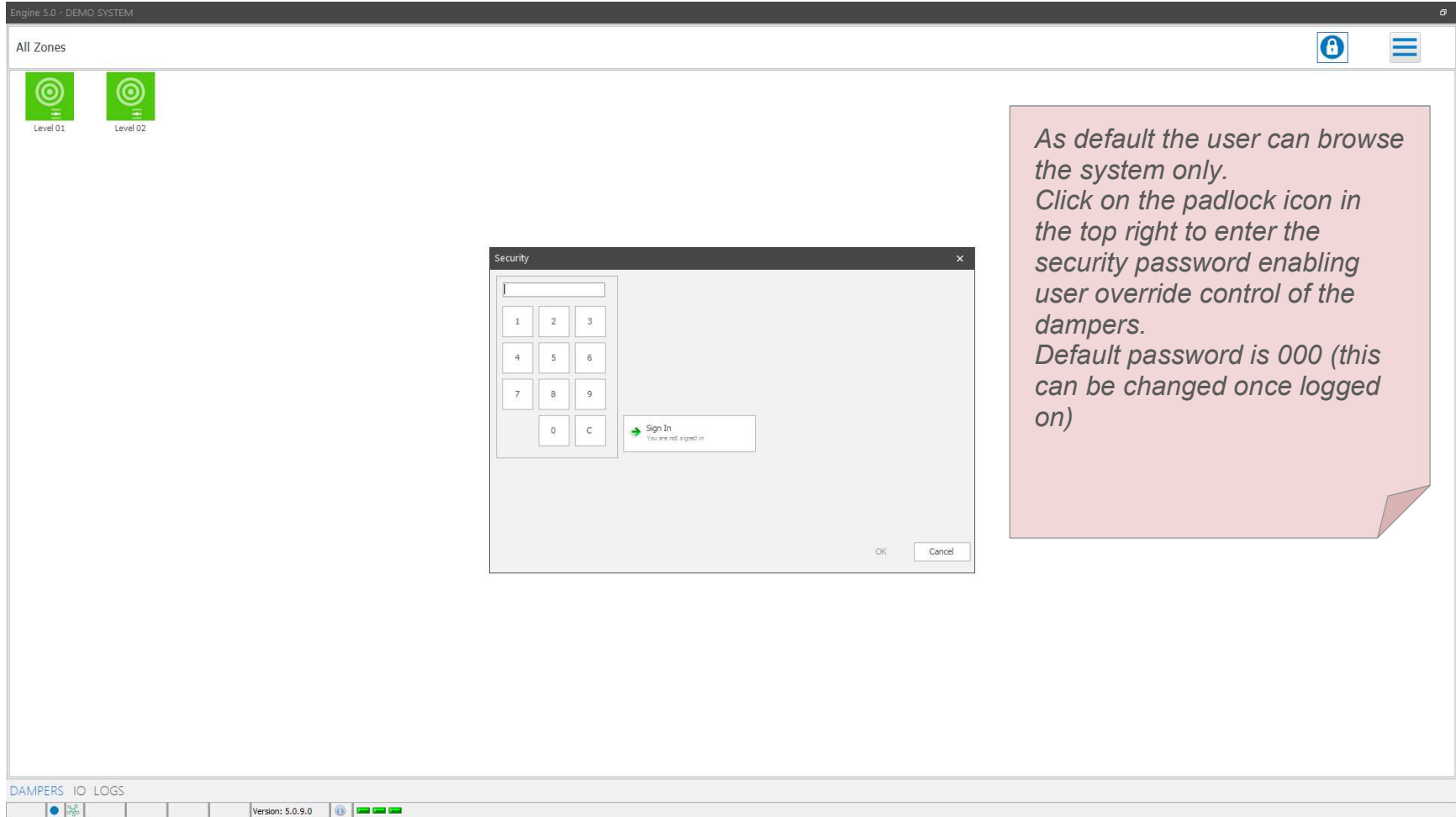
Sign In  
You are not signed in

OK Cancel

DAMPERS IO LOGS

Version: 5.0.9.0

As default the user can browse the system only. Click on the padlock icon in the top right to enter the security password enabling user override control of the dampers. Default password is 000 (this can be changed once logged on)

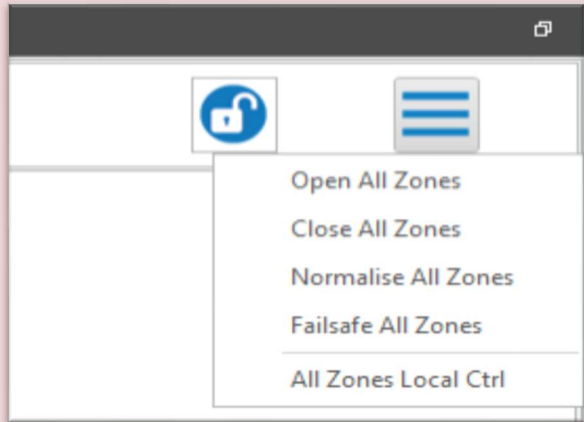
The image shows a software interface for 'Engine 5.0 - DEMO SYSTEM'. At the top, there's a title bar with the text 'Engine 5.0 - DEMO SYSTEM' and a small icon on the right. Below the title bar, the main window is titled 'All Zones'. In the top left of this window, there are two green circular icons labeled 'Level 01' and 'Level 02'. In the top right corner of the main window, there is a blue padlock icon and a blue menu icon. A 'Security' dialog box is open in the center, featuring a numeric keypad (0-9) and a 'C' button. To the right of the keypad is a 'Sign In' button with a green arrow icon and the text 'You are not signed in'. At the bottom of the dialog box are 'OK' and 'Cancel' buttons. A pink callout box on the right side of the main window contains text explaining the security process. At the bottom of the main window, there is a status bar with the text 'DAMPERS IO LOGS' and a version number 'Version: 5.0.9.0'.

Engine 5.0 - DEMO SYSTEM

All Zones

Level 01 Level 02

Once logged on, the user can access the menu on the top right. Options in this menu change depending on what screen is being viewed. From here you can give commands to dampers in all Zones. See insert for options for this screen.



DAMPERS IO LOGS

Version: 5.0.9.0

The image shows a software interface for 'Engine 5.0 - DEMO SYSTEM'. At the top left, there are two green circular icons labeled 'Level 01' and 'Level 02'. In the top right corner, there is a menu with a blue padlock icon and a blue hamburger menu icon. The menu items are: 'Open All Zones', 'Close All Zones', 'Normalise All Zones', 'Failsafe All Zones', and 'All Zones Local Ctrl'. A large pink callout box in the center contains text explaining that the user can access this menu and that the options change based on the screen. Below the text is a smaller screenshot of the menu, showing the same options. At the bottom of the interface, there is a status bar with 'DAMPERS IO LOGS' on the left, a version number '5.0.9.0' in the middle, and three green progress bars on the right.

Engine 5.0 - DEMO SYSTEM

All Zones

Level 01    Level 02

Level 01    Level 02

Open All Zones  
Close All Zones  
Normalise All Zones  
Failsafe All Zones  
All Zones Local Ctrl

Open All Zones  
Close All Zones  
Normalise All Zones  
Failsafe All Zones  
All Zones Local Ctrl

DAMPERS IO LOGS    Version: 5.0.9.0

*Double Clicking on a Zone Icon will take the user down a level to view the individual dampers in the zone. This example has 2 dampers that are healthy (Green) and open (Damper Open Symbol)*

*When logged on the user override options on this screen relate just to the dampers in this zone.*

SFD-M-01

Open Damper View Channel  
Close Damper  
Balance Damper  
Normalise Damper  
Failsafe Damper

Info:

Property	Value
Actuator Model	ModeSPTC
Channel	Channel M0 1 (Address = 1)
Control Mode	Auto Ctrl
Created	03/04/2019 10:14
Damper Model	SmokeShield
Digital Input 1 Mode	None
Digital Input 2 Mode	None
Failsafe Position	Closed
Handle	10
Hardware Version	1.0
Location	Level 1 Area A
NAME	SFD-M-01
Neuron ID	C977CBA7F67C
Node	SFDI-M
Node ID	10
Normal Position	Open
Program ID	9600306E01040504
Subnet ID	Not Applicable
Software Version	1.9
Voltage Setpoint	Not Applicable
Zone	Level 01



Double clicking on a damper icon will take the user down to the next level to view the individual damper and its properties.

Here the user can override the damper positions if logged on.


SFD-M-01

Open Damper  
Close Damper  
Balance Damper  
Normalise Damper  
Failsafe Damper

Use the Back-Up Button to navigate up to previous levels.

SFD-M-01






Info:  
[Missing]  
The damper is out of scope.

Property	Value
Actuator Model	ModeSPTC
Channel	Channel M0 1 (Address = 1)
Control Mode	Auto Ctrl
Created	03/04/2019 10:14
Damper Model	SmokeShield
Digital Input 1 Mode	None
Digital Input 2 Mode	None
Failsafe Position	Closed
Handle	10
Hardware Version	1.0
Location	Level 1 Area A
NAME	SFD-M-01
Neuron ID	C977CBA7F67C
Node	SFDI-M
Node ID	10
Normal Position	Open
Program ID	9600306E01040504
Subnet ID	Not Applicable
Software Version	1.9
Voltage Setpoint	Not Applicable
Zone	Level 01

*If a damper is in fault, there will be an explanation within the info box shown at this level.*

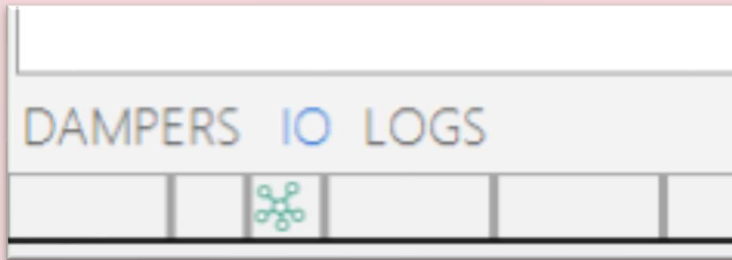


Info:  
[Missing]  
The damper is out of scope.

All IO



*On the navigation at the bottom left of the screen the user can select IO to view all DIO devices installed on the system.  
In this example there is only 1No DIO device installed.*



Properties	
Property	Value

DAMPERS IO LOGS

Version: 5.0.9.0





Engine 5.0 - DEMO SYSTEM

DI804 M 01

Inputs

1 Level 1 Fire Alarm  
2 Level 2 Fire Alarm  
3 Override All  
4 Input 4  
5 Input 5  
6 Input 6  
7 Input 7  
8 Input 8

Outputs

1 General Fault  
2 Output 2  
3 Output 3  
4 Output 4

DAMPERS IO LOGS

Version: 5.0.9.0

Properties Information

Property	Value
Cable Tag	201 202
Contact	Normally Open
Enabled	True
Kind	Fire Alarm
Name	Level 1 Fire Alarm
INPUT NUMBER	1
Parent	DI804 M 01

Clicking on a DIO will take the user down a level to view all inputs and outputs on the DIO device graphically.

Clicking on an input will show its properties and how the cause and effect is programmed within the pane on the right hand of the screen

If an input or output is active it will be highlighted green.

Engine 5.0 - DEMO SYSTEM

Logs

FAULTS LOG    OUTPUTS LOG

Faults Log   Inputs Log   Outputs Log   Archive

Time Stamp	Device	Zone	Channel	Location	Description
03/05/2019 11:45:18	SFD-M-01	Level 01	Channel M01	Level 1 Area A	[Missing]

1 Records

DAMPERS IO LOGS

Version: 5.0.9.0

FAULT

On the navigation at the bottom left of the screen the user can select LOGS to view all live logs relating to Faults, Inputs & Outputs.

In this screen we can see the current live fault, detailing the time of the fault.

Once the fault is rectified, the live fault will disappear from this screen.

Engine 5.0 - DEMO SYSTEM

Logs

FAULTS LOG      OUTPUTS LOG

Faults Log   Inputs Log   Outputs Log   Archive

Query All   Query Dampers   Query IO   Query System   Query User +   Time Range: All Time

Export XLSX   Export HTML   Export XML   Delete

Find   Clear

Date	Time	Device	Zone	IO Number	Description
02/05/2019	15:26:58	SFD-44-03	Level 02		[Missing]
02/05/2019	15:27:01	SFD-44-04	Level 02		[Missing]
02/05/2019	15:27:03				[Missing]
02/05/2019	15:27:05				[Missing]
02/05/2019	15:27:08				[Missing]
02/05/2019	15:27:10				[Missing]
02/05/2019	15:27:12				[Missing]
02/05/2019	15:28:32	D1804 M 01	IO System 1	Output 01	Active
02/05/2019	15:28:32				User: normalise damper
02/05/2019	15:46:42	SFD-44-02	Level 01		[No Faults]
02/05/2019	15:46:43	SFD-44-01	Level 01		[No Faults]
02/05/2019	15:46:43	SFD-44-03	Level 02		[No Faults]
02/05/2019	15:46:43	SFD-44-04	Level 02		[No Faults]
02/05/2019					[Feedback Failure]
02/05/2019					[Feedback Failure]
02/05/2019					[No Faults]
02/05/2019					[No Faults]
02/05/2019					[No Faults]
02/05/2019					[No Faults]
02/05/2019	17:22:04	SFD-44-04	Level 02		[Missing]
02/05/2019	17:22:17	SFD-44-02	Level 01		[Missing]
02/05/2019	17:22:20	SFD-44-01	Level 01		[Missing]
03/05/2019	11:32:17		Level 01		[No Faults]
03/05/2019	11:32:17	SFD-44-02	Level 01		[No Faults]
03/05/2019	11:32:17	SFD-44-01	Level 01		[No Faults]
03/05/2019	11:32:18	SFD-44-03	Level 02		[No Faults]
03/05/2019	11:32:18	SFD-44-04	Level 02		[No Faults]
03/05/2019	11:32:58				Engines stopped
03/05/2019	11:39:01				Engine started
03/05/2019	11:40:31				All networks settled
03/05/2019	11:43:20	SFD-44-01	Level 01		[Missing]
03/05/2019	11:43:20	D1804 M 01	IO System 1	Output 01	Active
03/05/2019	11:44:17	SFD-44-01	Level 01		[No Faults]
03/05/2019	11:44:17	D1804 M 01	IO System 1	Output 01	Inactive
03/05/2019	11:45:19	SFD-44-01	Level 01		[Missing]
03/05/2019	11:45:19	D1804 M 01	IO System 1	Output 01	Active

510 Records

DAMPERS   IO   LOGS

Version: 5.0.9.0

On the Archive tab the user can see all activities that have occurred on the system historically.

The Archive can be exported in a number of formats.

The Archive information can only be accessed when the user is Logged On.

Export XLSX   Export HTML   Export XML   Delete

Engine 5.0 - DEMO SYSTEM

Logs FAULTS LOG OUTPUTS LOG 🔒

Faults Log | Inputs Log | Outputs Log | Archive

🔍 Query All 
 🔍 Query Dampers 
 🔍 Query IO 
 🔍 Query System 
 🔍 Query User 
 Time Range: All Time 
 📄 Export XLSX 
 📄 Export HTML 
 📄 Export XML 
 ✕ Delete

SFD-M-01 Find Clear

Date	Time	Device	Zone	IO Number	Description
03/04/2019	14:14:10	SFD-M-01	Level 01		[Feedback Failure]
03/04/2019	14:15:20	SFD-M-01	Level 01		[No Faults]
03/04/2019	20:10:39	SFD-M-01	Level 01		[Missing]
04/04/2019	13:54:12	SFD-M-01	Level 01		[Missing]
06/04/2019	08:04:10	SFD-M-01	Level 01		[Missing]
08/04/2019	09:38:50	SFD-M-01	Level 01		[Missing]
12/04/2019	14:32:50	SFD-M-01	Level 01		[Missing]
12/04/2019	14:37:01	SFD-M-01	Level 01		[Missing]
12/04/2019	14:50:25	SFD-M-01	Level 01		[Missing]
18/04/2019	12:04:20	SFD-M-01	Level 01		[Missing]
02/05/2019	15:26:56	SFD-M-01	Level 01		[Missing]
02/05/2019	15:46:43	SFD-M-01	Level 01		[No Faults]
02/05/2019	17:07:05	SFD-M-01	Level 01		[Feedback Failure]
02/05/2019	17:08:58	SFD-M-01	Level 01		[No Faults]
02/05/2019	17:22:20	SFD-M-01	Level 01		[Missing]
03/05/2019	11:32:17	SFD-M-01	Level 01		[No Faults]
03/05/2019	11:43:20	SFD-M-01	Level 01		[Missing]
03/05/2019	11:44:17	SFD-M-01	Level 01		[No Faults]
03/05/2019	11:45:19	SFD-M-01	Level 01		[Missing]

19 Records

DAMPERS IO LOGS Version: 5.0.9.0

Faults Log | Inputs Log | Outputs Log | Archive

🔍 Query All 
 🔍 Query Dampers 
 🔍 Query IO 
 🔍 Query System 
 🔍 Query User 
 Time Range: All Time 
 📄 Export XLSX 
 📄 Export HTML 
 📄 Export XML 
 ✕ Delete

SFD-M-01 Find Clear

*Within the Archive view a user can use the search field to hot-search on any field, be it device name, zone, date, description of activity etc.*