

Fire Door Operators

Marantec UK

NBG Operators, Interface Panels, Heat & Smoke Detectors,
Fire Door Control Panels, Accessories



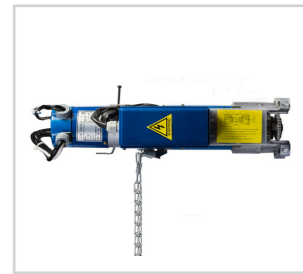
Product Range

NBG Range Operators

Our NBG Operators are meticulously designed to ensure reliable and efficient performance, offering peace of mind in critical fire protection systems.

NBG 350S

- 1 Phase
- 0.25kW Motor



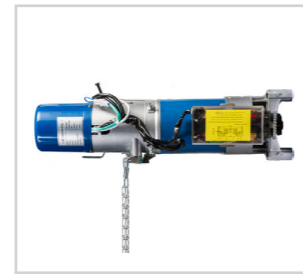
NBG 600s/ 600T

- 1 and 3 Phase
- 0.37 kW Motor



NBG 1000S/ 1000T

- 1 and 3 Phase Motor
- 0.55kW Motor



NBG 800S/ 800T

- 1 and 3 Phase
- 0.45kW Motor



Fire Door Operators Accessories

Fire door operator accessories enhance the functionality and safety of fire-rated doors, offering tailored solutions for seamless integration and optimal performance in emergency situations.

Interface Panels

- EMC-3D



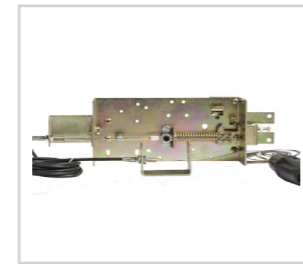
Heat & Smoke Detector

- Detectors



Solenoid Releases

- Manual Release & Fuse Backup for NBG Motors



Light Beacons

- Red Flashing Beacon
- EN45 Sounder Beacon



Sounders

- EN54-3 Sounder
- Voice Simulated Warning



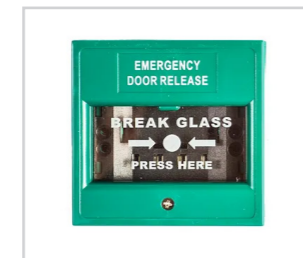
Brackets

- Manual Release & Fuse Backup for NBG Motors



Triggers

- Triggers for Fire Doors



Fire Door Control Panels

- FDCP Control Panel
- FDR Repeater Panel



Technical Data

NBG Range Operators

Operator Specification	NBG-350S	NBG-600S	NBG-800S	NBG-1000S	NBG-600T	NBG-800T	NBG-1000T
Voltage (V)	230 (1ph)	230 (1ph)	230 (1ph)	230 (1ph)	400 (3ph)	400 (3ph)	400 (3ph)
Current (A)	2.2	2.9	3.5	4.1	1.7	2.0	2.5
Power (Kw)	0.25	0.37	0.45	0.55	0.37	0.45	0.75
Speed (rpm)	24	30	30	24	30	30	24
Torque (Nm)	43	75.5	110	124	75.5	110	220
Limit Turns	60	60	75	65	60	75	65

EMC-3D Interface Panel

Dimensions (mm)	370x136.50x101
Protection Grade (IP)	65

Combined Heat & Smoke Detector

Operating Voltage Range	18V to 32V DC
Operating Current	101 uA, Quiescent (Typical) +50uA, End of line ON if applicable (Typical)
Colour	White
Volume Level	90+ dB(A)(Sounder High) 70+ dB(A)(Sounder Low)
IP Rating	IP 21C
Flammability	UL94-V2
Operating Temperature	-10°C to +50°C
Dimensions	Ø107mm(Dia)x75mm

Solenoid Releases

Technical Information	NBG-3	ELA-5	NBG-5
Current Rating (A DC)	0.3	0.3	0.3
Voltage Rating (V DC)	24	24	24
Min. Voltage Rating (A DC)	19	19	19
Temperature Range (°C)	-10 / +40	-10 / +40	-10 / +40
Release Power (kg)	3.5/4.5	3.5/4.5	3.5/4.5

EN45 Sounder Beacon

Dimensions (mm)	Ø97.5x104
Operating Temperature (°C)	-25 / +70
Cable Entries	Deep Base: 2 x 20mm cable glands
Protection Grade - Deep Base (IP)	65
Protection Grade - Shallow Base (IP)	21
Compliance (Deep Base)	EN54-3 Type B
Compliance (Shallow Base)	EN54 3 Type A
Weight - Deep Base (kg)	25
Weight - Shallow Base (kg)	22

Voice Simulated Warning

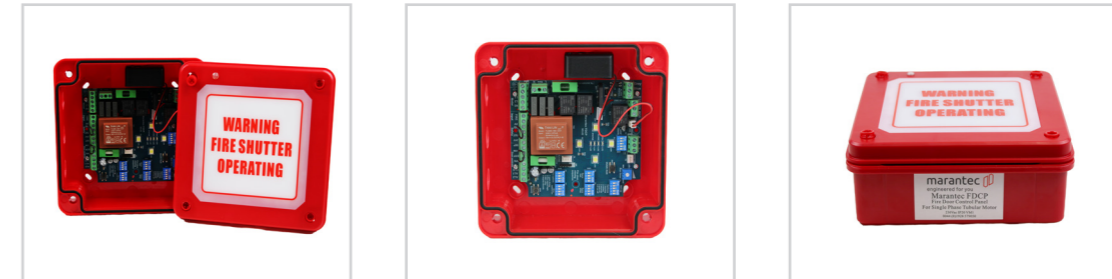
Data	Voice Simulated Warning
Nominal Input	105dB(A) @ 1m +/- 3dB - Tone 2* [96dB(A) @ 10ft/3m]
No. of Tones	49 (UKOOA/PFEER compliant)
No. of Stages	3
Volume Control	Max. 105dB(A); Min. 96dB(A) - Tone 2
Voltage	16-28vdc via Zener barrier or galvanic isolator
Current	Intensive Use
Protection Level	IP67
Cable Entries	2 x M20 clearance gland knockouts. Custom configurations also available.
Operating Temperature	-40° to +60°C (-40 to +140°F)
Weight	0.75kg/1.65lbs

Red Flashing Beacon

Supply Voltage	24 V dc / 230 V ac
Light Effect	Flashing
Lens Colour/ Housing Colour	Red/ White
Mounting Method	Surface
Base Diameter	Ø85mm
Bulb Type	Xenon
Protection	IP67
Operating Temperature	+40°C...-20°C

FDCP Fire Door Control Panel

The FDCP Fire Door Control Panel is designed for 230Vac tubular motors, enabling automatic door operation in response to a fire signal now with emergency re-open command. It features built-in time delays, an LED warning backlight, and a 90dB alarm sounder to ensure clear alerts in emergency situations. Daily operation is managed through connected switching devices, with added safety provided by a photocell connection or stop circuit, making it a reliable choice for fire safety. Can be used in conjunction with FDR Fire Door Repeater Panel.



Key Features - Normal Operation

- Selectable impulse/ deadman open + close
- Normally closed safety circuit for impulse closing.
- Adjustable Auto-Close function with appropriate safety devices.
- Adjustable motor run time.
- Connection for Safety Brake or Stop Button .
- Impulse/Go command.
- Auxiliary Relay for 3.5 min courtesy light. Also, light can pulse 3 times before door operation.

Key Features - Fire Signal Activation

- Audio visual alarm on fire signal activation.
- Selectable door opening or closing is possible.
- Normally open or normally closed volt-free fire signal.
- Immediate door operation or adjustable delay timer - delay 20s to 5 mins (in 20s increments).
- Staged closing - pulse and pause times can each be set between 1-15s. This can extend the time taken for the door to close to allow people to exit.
- Emergency re-open command - When the fire signal is active the door can be reopened to allow people to escape - Dead man command - When the command is released, the door will re-close.

Technical Data

Power Supply	230v - 50Hz
Max Motor Load	2.4A @ 230v or 500Watts
Max Accessories Load	150mA @ 24v d.c
Working Temp	-15 to +55°C
Protection Fuses	Mains: F1 = T6.3A, Delayed Ext 24v d.c: F2 = T250mA, Delayed
Sounder	98 dB (Decibels)
Enclosure Rating	IP 20
Dimensions (mm)	180 (w) x 180 (h) x 65 (h)
Weight (g)	300

NBG Range Operators

Product Information

Our NBG Operators are meticulously designed to ensure reliable and efficient performance, offering peace of mind in critical fire protection systems. Engineered with advanced features and state-of-the-art technology, these operators are built to withstand the demands of fire door applications while providing seamless operation.

Features

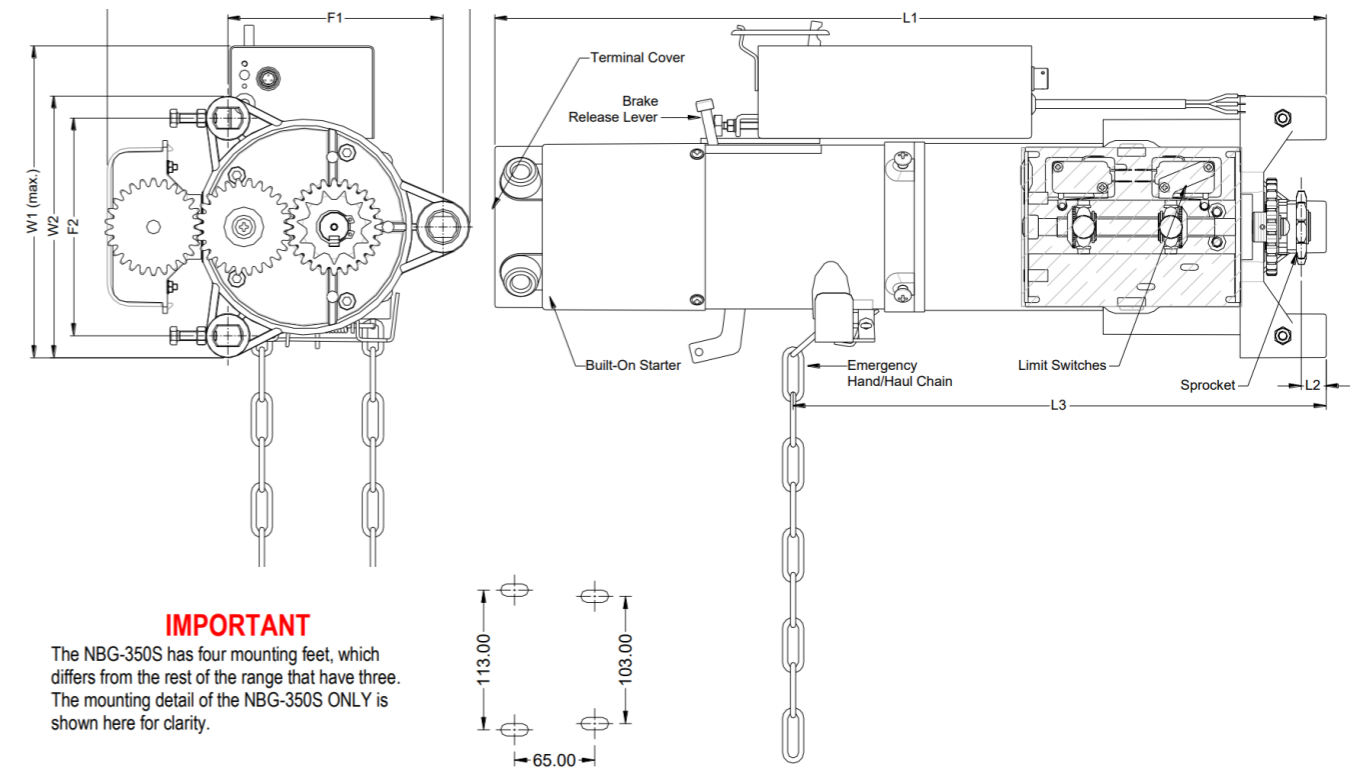
- Integral starter unit
- Low voltage controls
- Plug & socket fit solenoid release
- Pre-wired to plug & P.B.S.
- Four limits

Optional Features

- Choice of release mechanisms
- Bracket pack



Product Dimensions - NBG Range Operators - Fire Door Operators



Operator Specification	NBG-350S	NBG-600S	NBG-800S	NBG-1000S	NBG-600T	NBG-800T	NBG-1000T
Voltage (V)	230 (1ph)	230 (1ph)	230 (1ph)	230 (1ph)	400 (3ph)	400 (3ph)	400 (3ph)
Current (A)	2.2	2.9	3.5	4.1	1.7	2.0	2.5
Power (Kw)	0.25	0.37	0.45	0.55	0.37	0.45	0.75
Speed (rpm)	24	30	30	24	30	30	24
Torque (Nm)	43	75.5	110	124	75.5	110	220
Limit Turns	60	60	75	65	60	75	65

Also Available as a Standard Rolling Door Operator

Bracket Pack Specification	NBG-350S	NBG-600S	NBG-800S	NBG-1000S	NBG-600T	NBG-800T	NBG-1000T
Ratio	50/11	50/9	55/9	60/9	50/9	55/9	60/9
Chain Pitch	1/2 x 5/16	5/8 x 3/8	5/8 x 3/8	3/4 x 7/16	5/8 x 3/8	5/8 x 3/8	3/4 x 7/16
Speed @ Barrel (rpm)	6.1	5.7	5.6	3.6	5.7	5.6	3.6
Torque @ Barrel (Nm)	170	420	660	825	420	660	1460
Lift Capacity (Kg)	245 @ 5"	525 @ 5"	635 @ 6.625"	785 @ 6.625"	525 @ 5"	635 @ 6.625"	1360 @ 6.625"

Details		Operator					Mounting Details			Sprocket		
Operator	Order Code	L1	L2	L3	W1	W2	H1	F1	F2	Bolt Size	Teeth	Pitch
NBG-350S	25-5350	470	11.5	300	205	135	161.5	65	113/103	M10	11	1/2"
NBG-600S	25-5350	512.5	12	315	198	127	185.5	94	94	M10/ M12	9	5/8"
NBG-800S	25-5046	508	17.5	340	205	160	218.5	118	132	M12/ M14	9	5/8"
NBG-1000S	25-5048	555	38	365	225	211.5	265	154	170	M14	9	3/4"
NBG-600T	25-5063	510	12	310	198	127	185.5	94	94	M10/ M12	9	5/8"
NBG-800T	25-5044	506	17.5	340	205	160	218.5	118	132	M12/ M14	9	5/8"
NBG-1000T	25-5042	555	38	365	225	211.5	265	154	170	M14	9	3/4"

Note: Some Dimensions may vary depending on operator handing i.e. rotating housing.

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