

Servicing the Series 5100 with the FPC-902 Hand Terminal



Connect the FPC-902 to the black 4 conductor plug located on the left side of the Series 5100 control. The following sequence of screens should occur.

```
AKKU      PASS
FLASH     PASS
EEPROM    PASS
RTC       PASS
CAN       PASS
```

```
FPC902
Version 1.26
Nov 24 2006
10:48:48
```

```
FPC902
```

```
Service STG >
Service STG Slave >
Flash-Programmer >
Setup >
```

Press "OK"

```
Connect with STG ...
■■■■■■■■□□□□□□
```

```
Accept all parameter
from the STG?
```

```
Offline Yes
```

Press "OK"

```
Parameter download
from STG ...
■■■■■■■■□□□□□□
```

```
STA19US V1.50
  2 2
```

```
Break-out USA
Automatic
0 Errorless
```

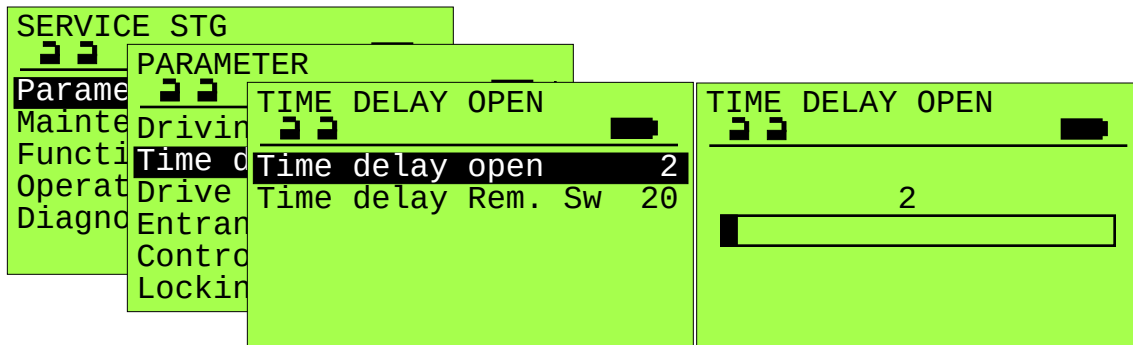
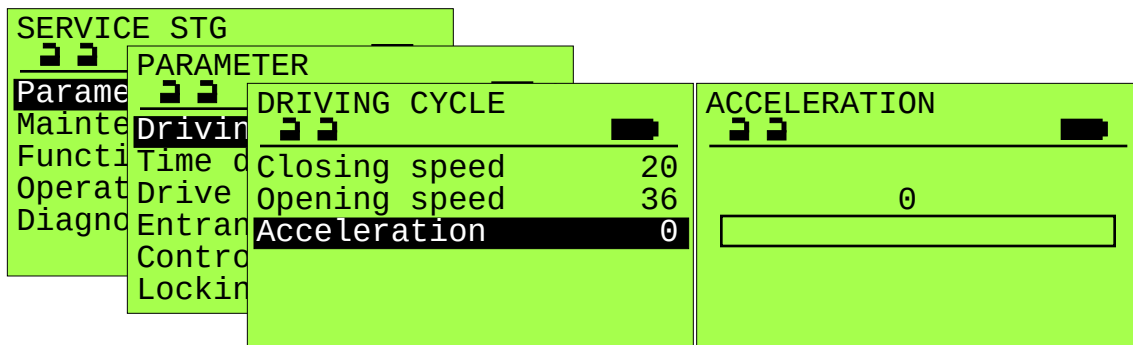
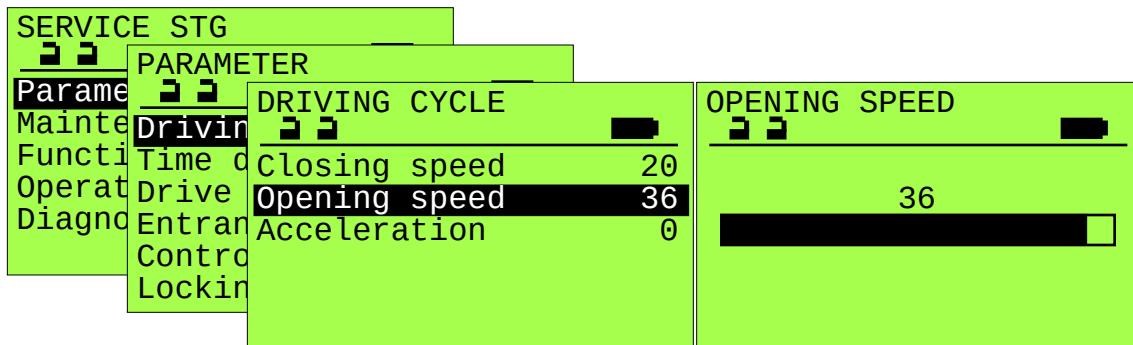
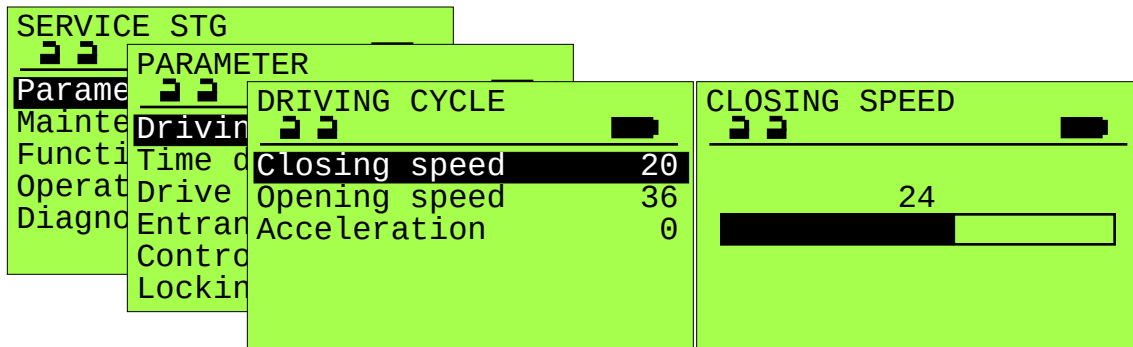
```
Continue
```

```
SERVICE STG
```

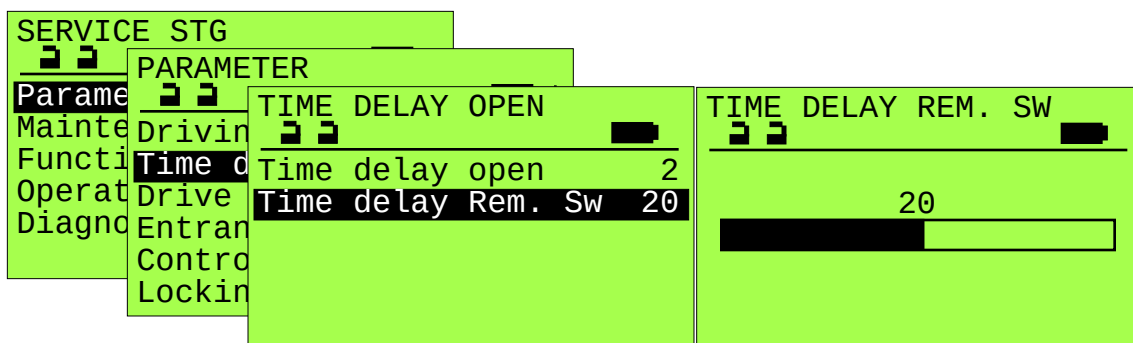
```
Parameter >
Maintenance >
Functions >
Operation mode >
Diagnostics >
```

Press "OK"

The screen sequences on the following pages start from this point and document the various adjustable parameters in the control. When at any of the screens shown below, the above screen can be accessed by pressing the "ESC" key one or more times.



0 thru 20 are in 1 sec. intervals; 21 thru 40 are in 2 sec. intervals providing 60 sec. maximum delay.



0 thru 20 are in 1 sec. intervals; 21 thru 40 are in 2 sec. intervals providing 60 sec. maximum delay.

SERVICE STG		
▢▢	PARAMETER	
Parame	▢▢	DRIVE
Mainte	Drivin	▢▢
Functi	Time d	PARTIAL OPENING
Operat	Drive	▢▢
Diagno	Entran	Revers
	Contro	Emerg-
	Lockin	Power

20

Reduced opening limits:
 0 = 8 inches (minimum);
 40 = 100% of opening.

SERVICE STG		
▢▢	PARAMETER	
Parame	▢▢	DRIVE
Mainte	Drivin	▢▢
Functi	Time d	REVERSE AUTOMATIC
Operat	Drive	▢▢
Diagno	Entran	Revers
	Contro	Emerg-
	Lockin	Power

0 Less sensitive
 1 More sensitive

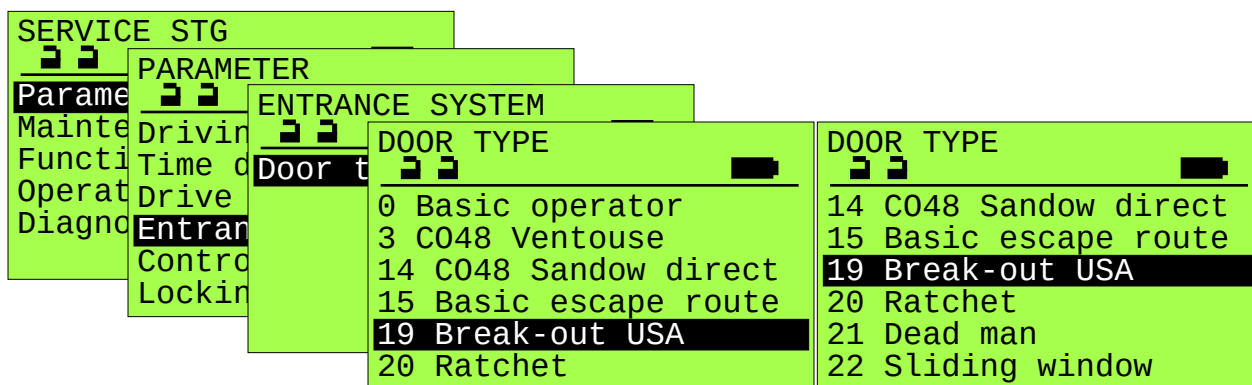
If the door is reversing due to extraordinarily tight weather seals or extreme stack pressures, change from "More sensitive" to "Less sensitive".

SERVICE STG		
▢▢	PARAMETER	
Parame	▢▢	DRIVE
Mainte	Drivin	▢▢
Functi	Time d	EMERG-OPERAT. BAT
Operat	Drive	▢▢
Diagno	Entran	Revers
	Contro	Emerg-
	Lockin	Power

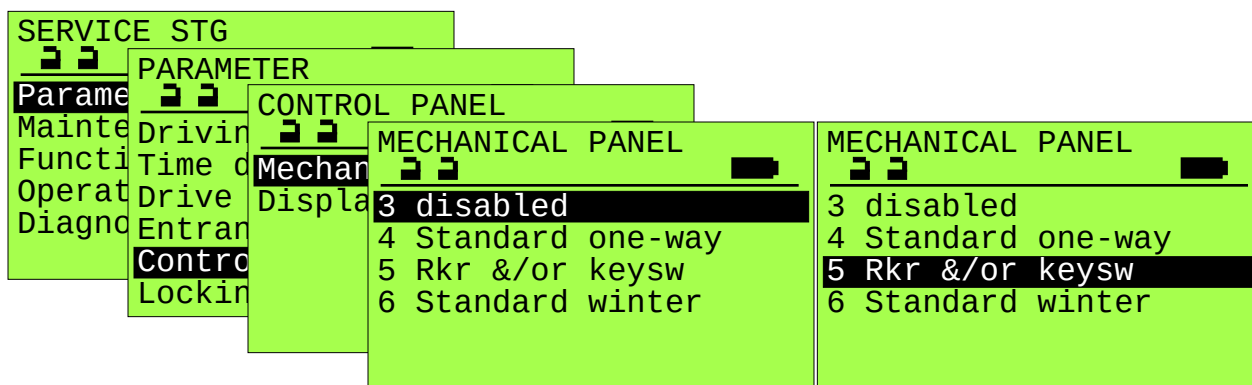
0 Close, not lock
 1 Unlock and open
 2 Close and lock
 3 Open, if not locked

SERVICE STG		
▢▢	PARAMETER	
Parame	▢▢	DRIVE
Mainte	Drivin	▢▢
Functi	Time d	POWER FAILURE
Operat	Drive	▢▢
Diagno	Entran	Revers
	Contro	Emerg-
	Lockin	Power

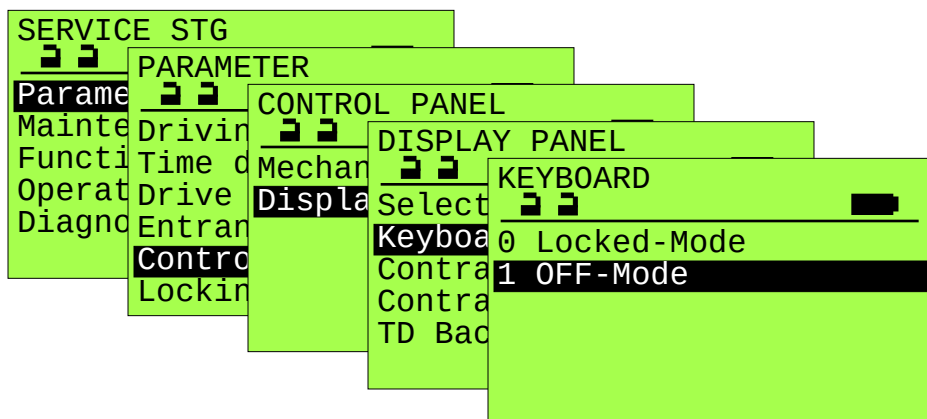
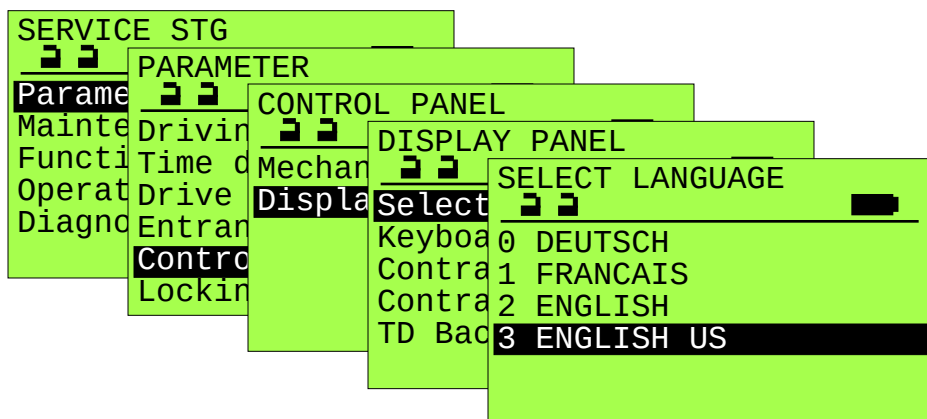
0 Battery operation
 1 Emergency operation



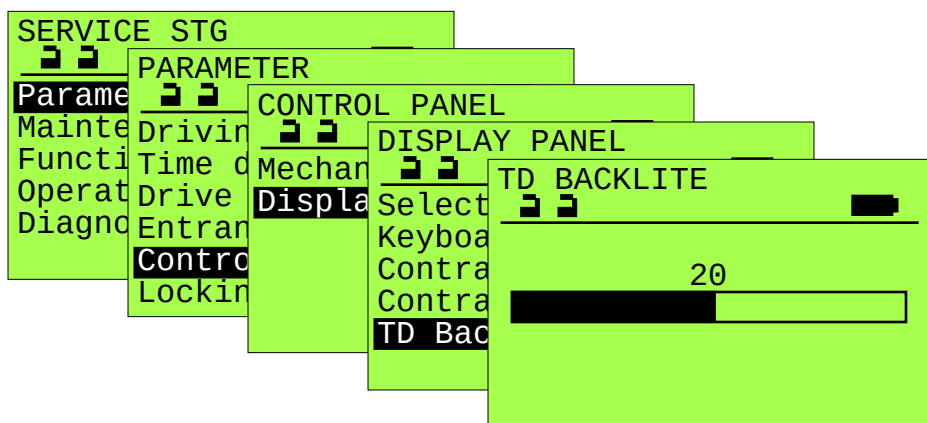
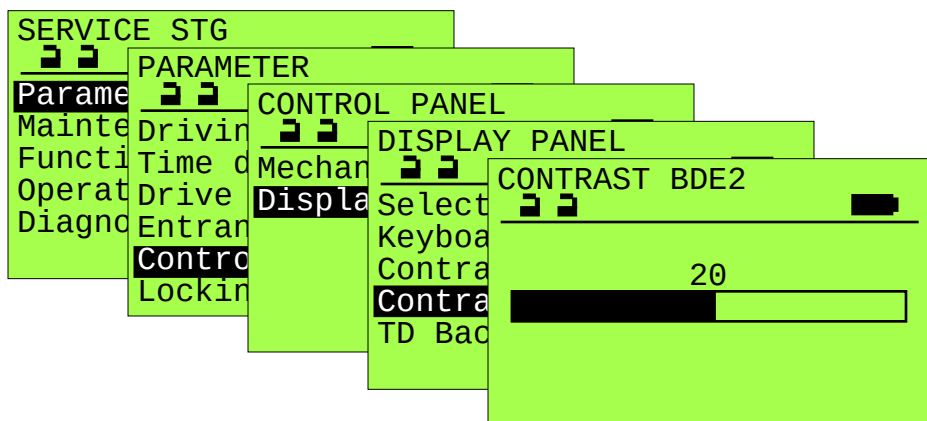
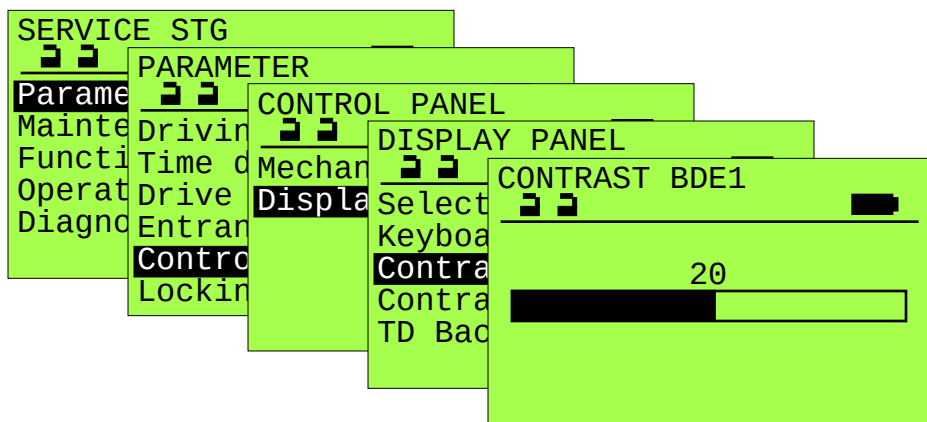
Typically select "Break-out USA"; select "Ratchet" for Push-to-Open/Push-to-Close operation.



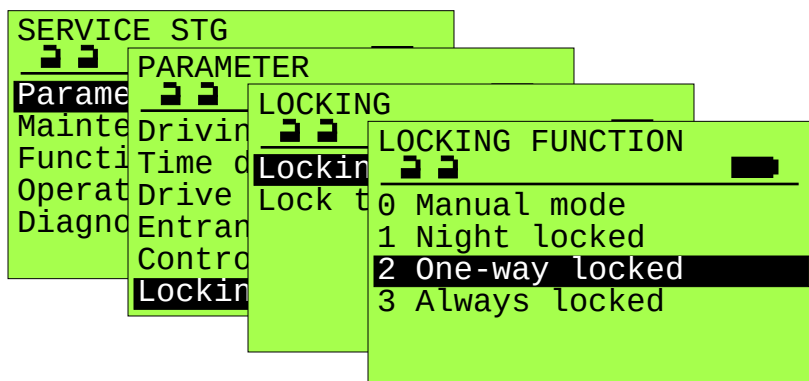
Typically select "disabled" unless one of the Rocker switch control panels has been connected.



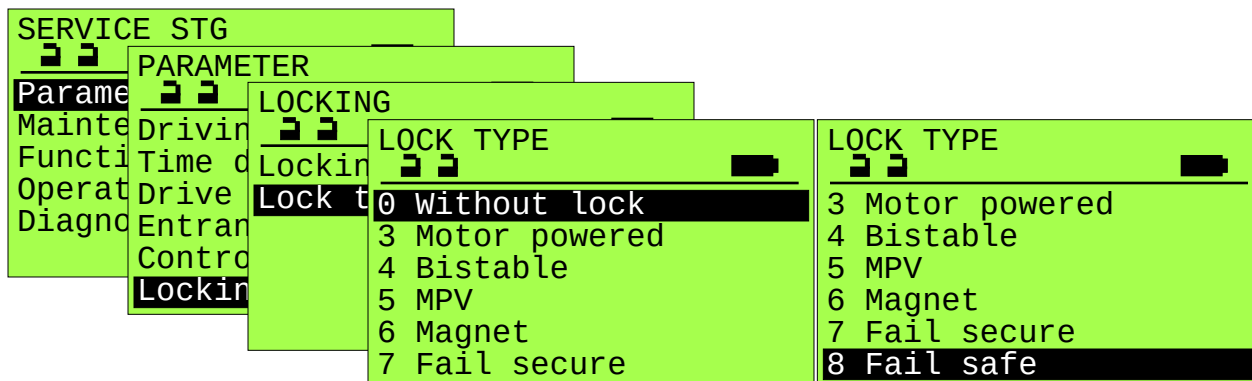
Typically select "OFF-Mode" unless using a Fail-Safe lock and it is to be locked when door is off.



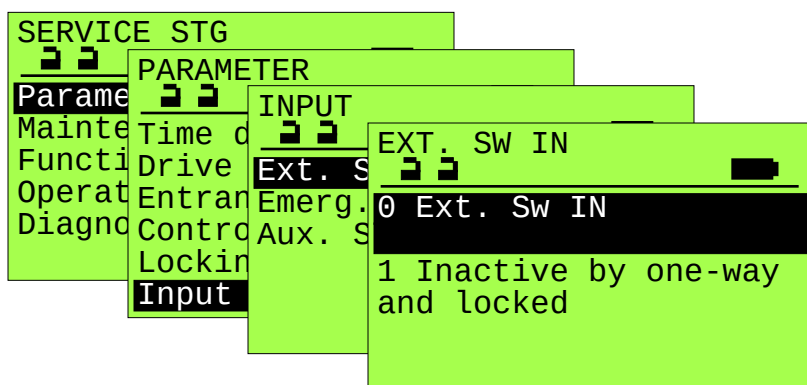
When set to "0", the
 backlight is always off;
 1-39 = seconds "on" time;
 40 = backlight always "on".



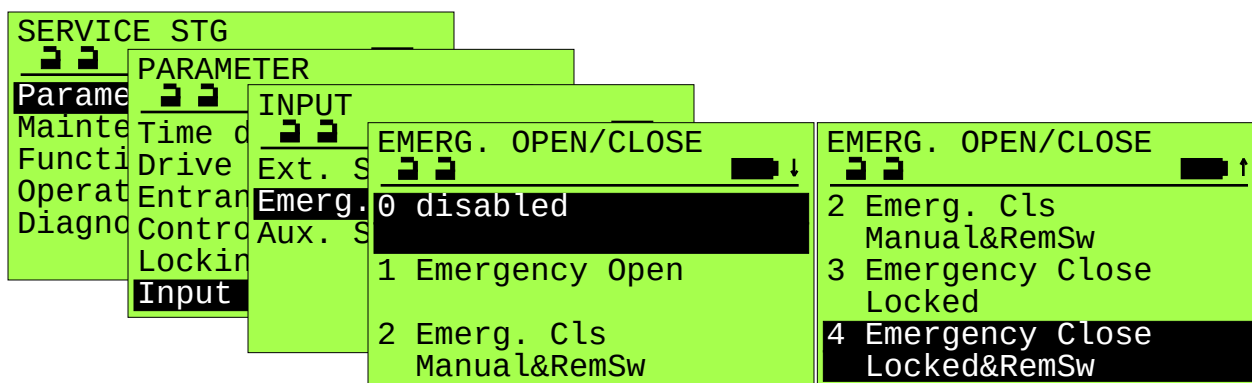
"Night locked" is for use with
 "Fail-safe" autolocks, and door is
 to be locked when the door is
 "Locked". Also see Control Panel /
 Display Panel / Keyboard parameter
 on the previous page.



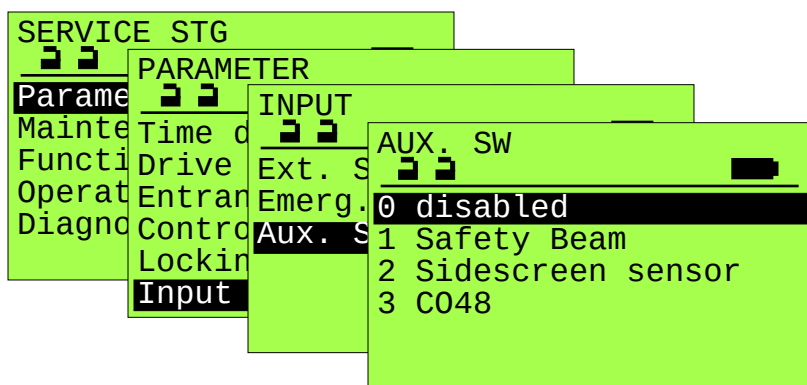
Typically select “Without lock”, “Fail secure”, or “Fail safe” for North American applications.



To comply with ANSI/BHMA A156.10 always select “Ext. Sw IN” to enable the exterior sensor when the door is in Exit-only mode and the door is open.



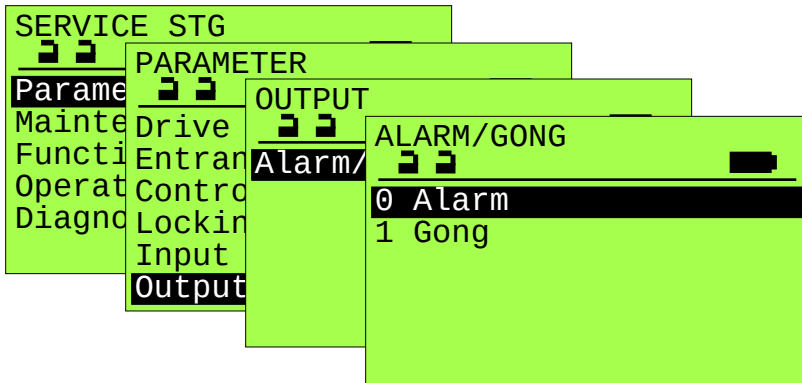
When selecting Emergency Open or Close options, use one of the above selections.



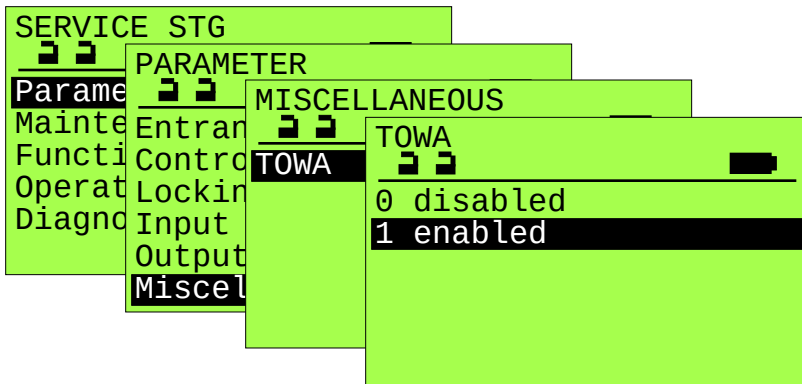
For use when the auxiliary input (Terminal 6) is used (normally “disabled”).

If adding an additional safety beam, connect N.C. contacts between terminals 5 (+24) and 6.

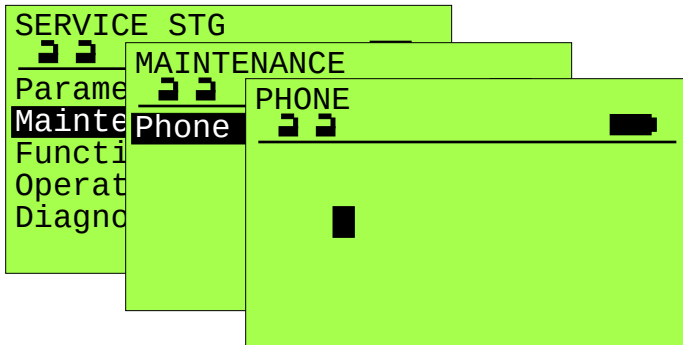
If adding sidescreen protection sensors, use N.C. contacts between terminals 5 (+24) and 6.



Determines what the auxiliary contacts (Terminals 8, 9, & 10) will respond to: "Alarm" is response to any abnormal door status (except "Obstruction"); "Gong" is response to interruption of the safety beams when the door is open; the contacts are momentarily switched every 10 seconds.

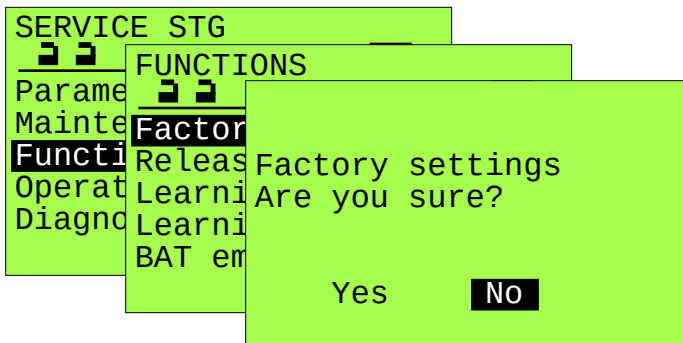


If the door is in "Partial Open" mode, enabling TOWA will provide full door opening if traffic approaches on both sides, or occurs for more than 10 sec.

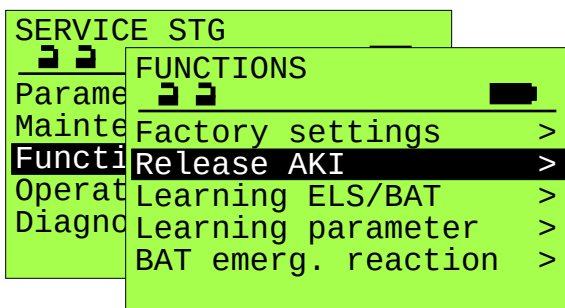


This parameter is used to replace the factory telephone number with a custom telephone number. This number will be momentarily displayed when the unit is switched from "OFF" mode, and will periodically flash when an Alarm screen is displaying. Removal of a custom number will reinstate the factory 800 number.

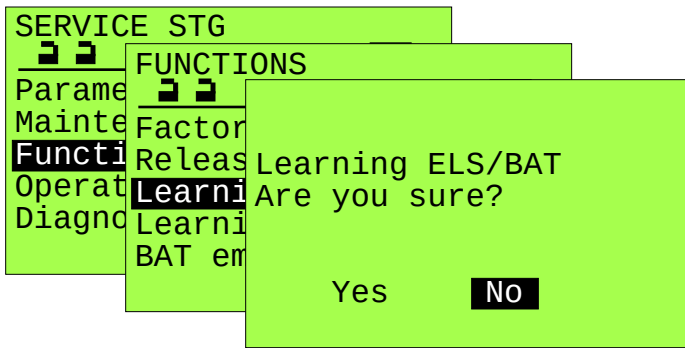
The following screen sequences are not used to modify parameters, but are used to reset various door functions as described.



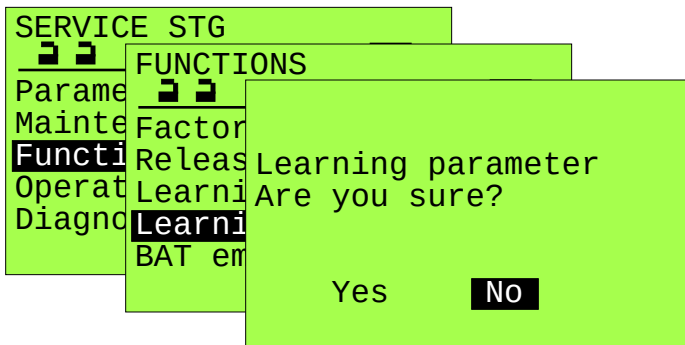
When selecting "Yes" and pressing "OK", all parameters are reset to the factory settings.



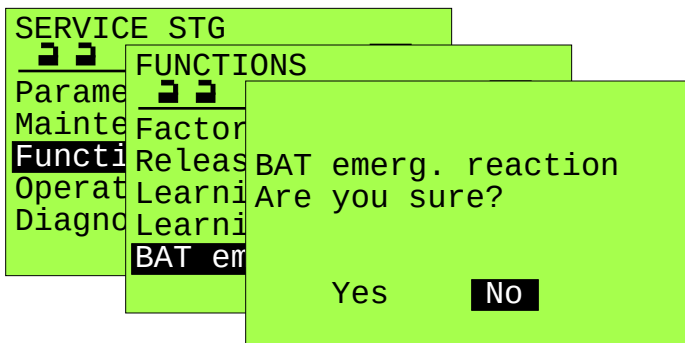
Selecting "Release AKI" and pressing "OK" will simulate an actuation from the Interior Sensor.



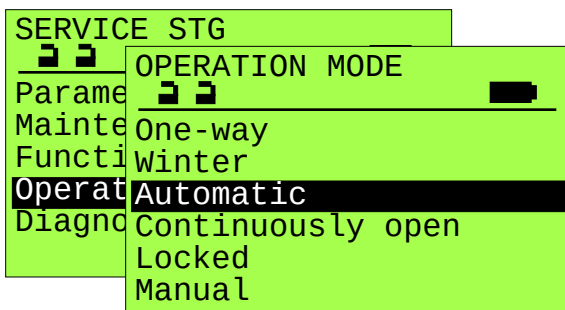
For use when adding an optional battery backup module.



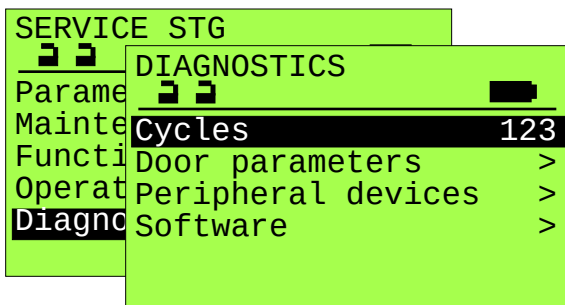
For use when initially commissioning a door, or significantly altering the mechanical characteristics of the door.



Used to test an optional battery backup.



Indicates the current operational mode of the door. Note this screen does not dynamically update in response to changes to the control panel. The Status screen, accessible anytime the terminal is servicing the unit (STG), will dynamically update in response to changes to the control panel(s).



Indicates the total number of door cycles.

SERVICE STG		
▣ ▣	DIAGNOSTICS	
Parame	▣ ▣	DOOR PARAMETERS
Mainte	Cycle	▣ ▣
Func	Door p	Mass [kg] 43
Operat	Periph	Friction opening 9
Diagno	Softwa	Friction closing 8

For factory reference.

SERVICE STG		
▣ ▣	DIAGNOSTICS	
Parame	▣ ▣	PERIPHERAL DEVICES
Mainte	Cycle	▣ ▣
Func	Door p	Motor 1 1
Operat	Periph	Motor 2 0
Diagno	Softwa	Battery type 0

For factory reference.

SERVICE STG		
▣ ▣	DIAGNOSTICS	
Parame	▣ ▣	SOFTWARE
Mainte	Cycle	▣ ▣
Func	Door p	Running cycle 1234
Operat	Periph	Status 0
Diagno	Softwa	Reboot 0

For factory reference.

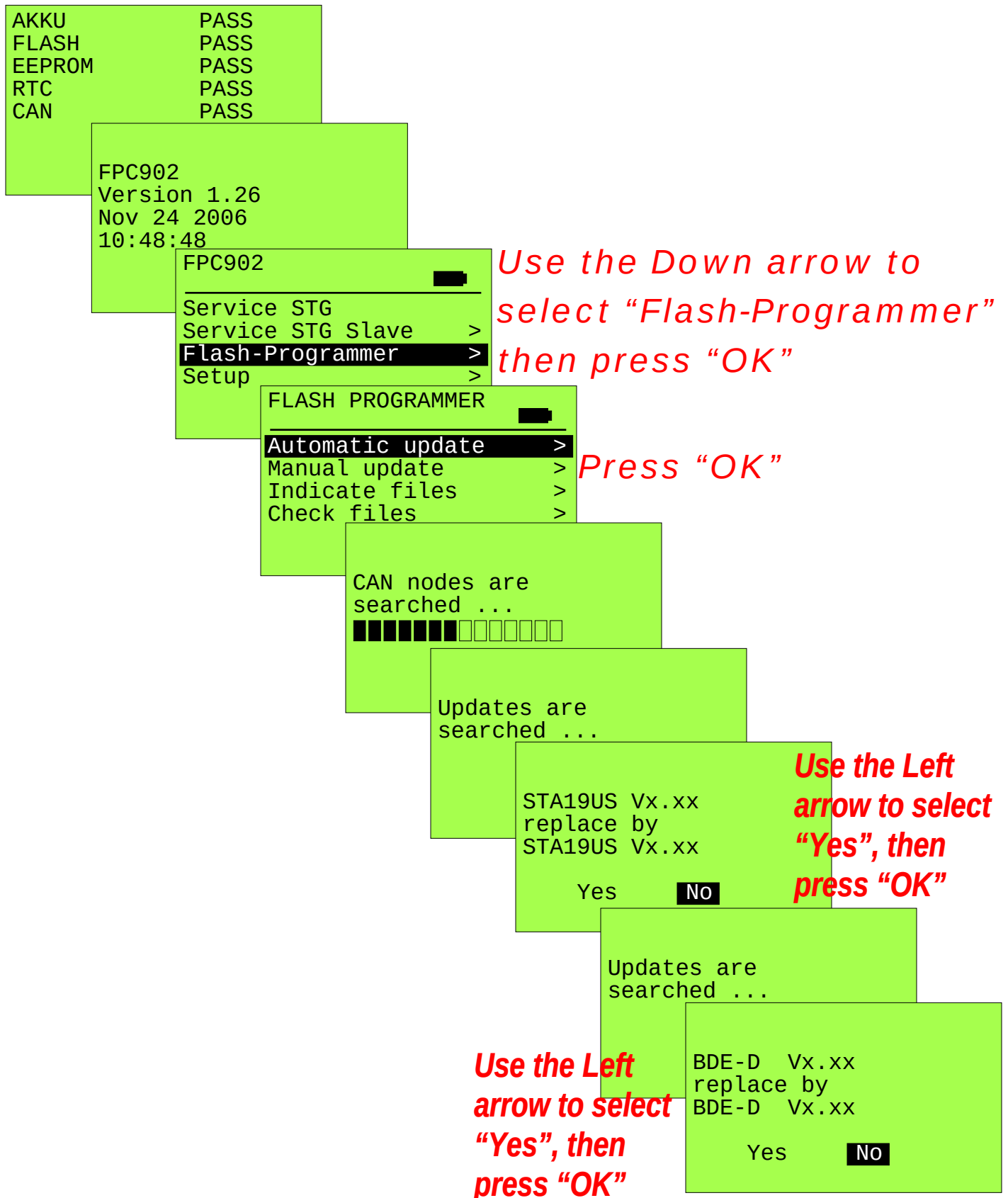
SERVICE STG		
▣ ▣	DIAGNOSTICS	
Parame	▣ ▣	SOFTWARE
Mainte	Cycle	▣ ▣
Func	Door p	Running cycle 1234
Operat	Periph	Status 0
Diagno	Softwa	Reboot 0

For factory reference.

SERVICE STG		
▣ ▣	DIAGNOSTICS	
Parame	▣ ▣	SOFTWARE
Mainte	Cycle	▣ ▣
Func	Door p	Running cycle 1234
Operat	Periph	Status 0
Diagno	Softwa	Reboot 0

For factory reference.

The following sequence of screens are to be followed when updating door and display software.



AKKU PASS
FLASH PASS
EEPROM PASS
RTC PASS
CAN PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902
Service STG
Service STG Slave >
Flash-Programmer >
Setup >

FLASH PROGRAMMER
Automatic update >
Manual update >
Indicate files >
Check files >

Lists the software stored on the SD card in the FPC902

AKKU PASS
FLASH PASS
EEPROM PASS
RTC PASS
CAN PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902
Service STG
Service STG Slave >
Flash-Programmer >
Setup >

FLASH PROGRAMMER
Automatic update >
Manual update >
Indicate files >
Check files >

Checks the software stored on the SD card in the FPC902.

AKKU PASS
FLASH PASS
EEPROM PASS
RTC PASS
CAN PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902
Service STG >
Service STG Slave >
Flash-Programmer >
Setup >

SETUP
Renew license >
Select language >

RENEW LICENSE
Lapse counter: 500
ID: 3 076 305 230
KEY:

Not used in North America

AKKU PASS
FLASH PASS
EEPROM PASS
RTC PASS
CAN PASS

FPC902
Version 1.26
Nov 24 2006
10:48:48

FPC902
Service STG >
Service STG Slave >
Flash-Programmer >
Setup >

SETUP
Renew license >
Select language >

SELECT LANGUAGE
DEUTSCH
FRANCAIS
ENGLISH
ENGLISH US