

Parkonect Wiring and Programming Guide

Magnetic Parking Pro



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1. General



1.1 Intro

This guide describes the process of wiring and programming Magnetic Parking Pro gate operators. This document will only outline the basic setup standard for Parkonect systems containing a simple in/out terminal and gate operator. Installs with additional systems (audible alarms, remote clickers, and etc) or equipment may require different wiring and programming; in these cases, please contact Parkonect support for more information.

A full manufacturer programming manual (Doc-ID: 5816,0006EN) can be obtained directly from Magnetic Access.



NOTE



Gate programming should only be performed by trained professional. Changing settings in gate operator may result in unexpected operation changes which could cause damage to gate or vehicles.

DANGER



Mechanical hazards. Always work on gate with power off and gate in the 'up' position.

ELECTRICAL HAZARD



Dangerously high voltage present. All work should be conducted by certified professional using proper safety precautions.

2. Wiring



2.1 Gate Line Power Wiring

1. Strip 14g> solid core line power wire back about 1/4".
2. Push stripped wire ends into the push button connector (fig. 2.1a #1). Ensure wire is fully seated and locked.
 - (1.) Push button connector
 - (2.) Phase (L, white)
 - (3.) Neutral (N, black)
 - (4.) Earth Ground (G, green)

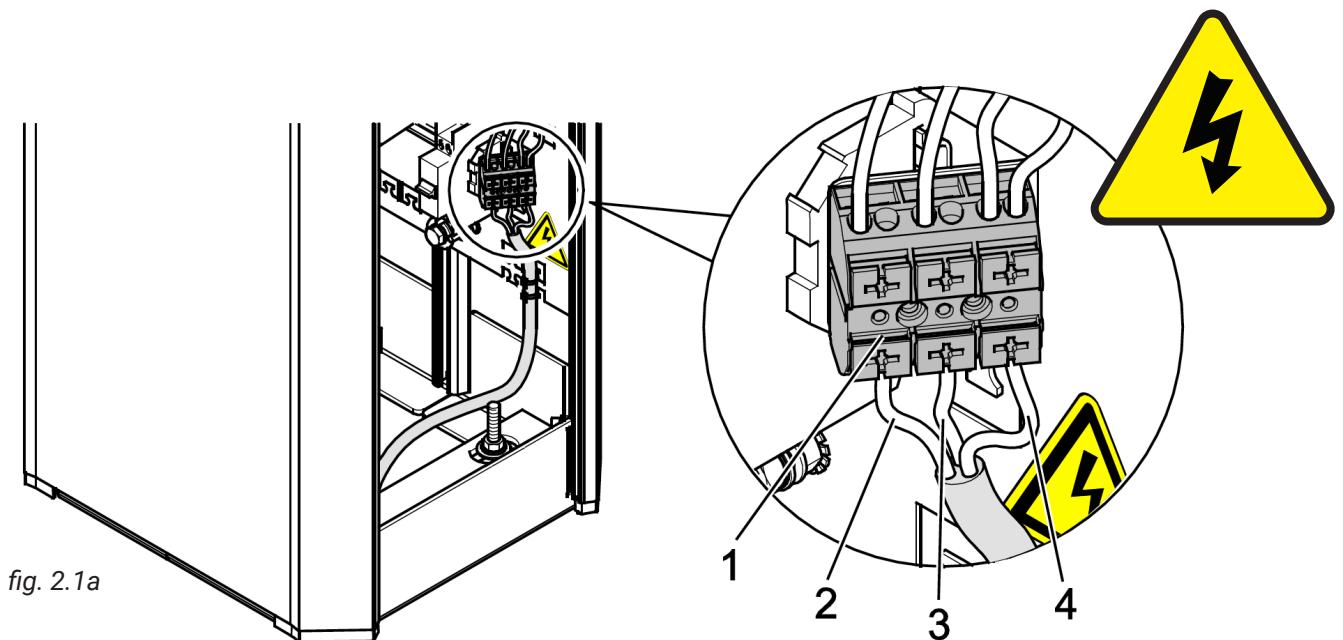


fig. 2.1a



2.2 Vend and Loop Wiring

1. Route signal wire from bottom of gate housing through cable clamps (fig. 2.2a #5) through cable opening front (fig. 2.2a #4). Strip cable ends back about 1/4". Ensure at least one cable tie anchor point is used to relieve tension on cable (fig. 2.2a #3).

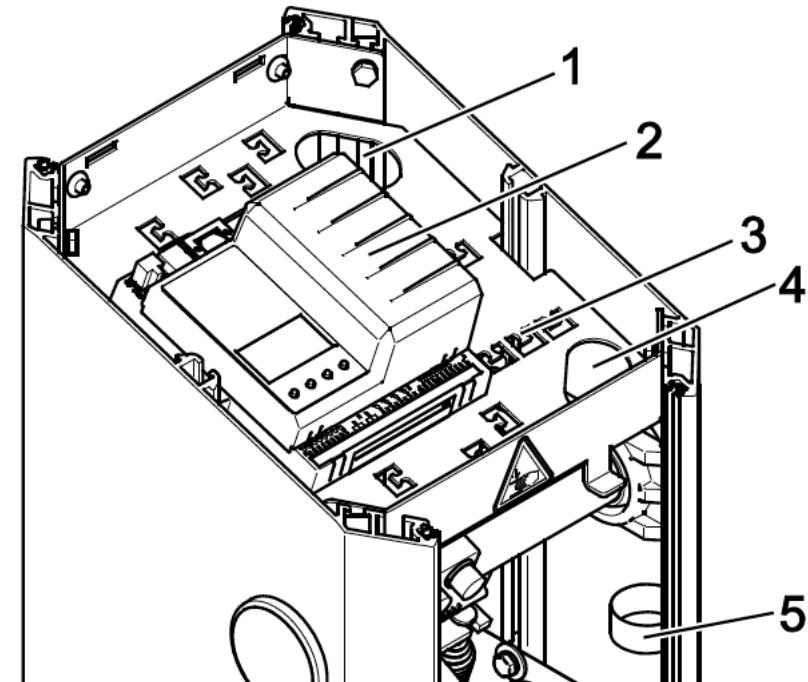
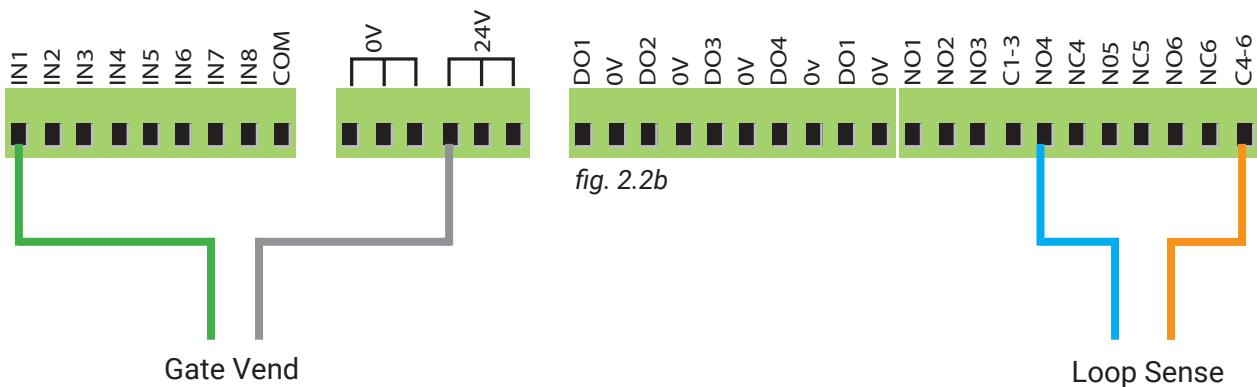


fig. 2.2a

2. Terminate wires into terminal block according to diagram:





2.3 Loop Wiring

1. Twist loop wire pairs and route up to control unit (1). Ensure wires do not come into contact with moving mechanical parts
2. Strip about 1/4" from ends of wires. Terminate loop wire pairs to their corresponding connectors

(1.) Control unit
(2.) Loop A (presence) connector
(3.) Loop B (safety) connector
(A.) Induction loop A (presence)
(B.) Induction loop B (Safety)

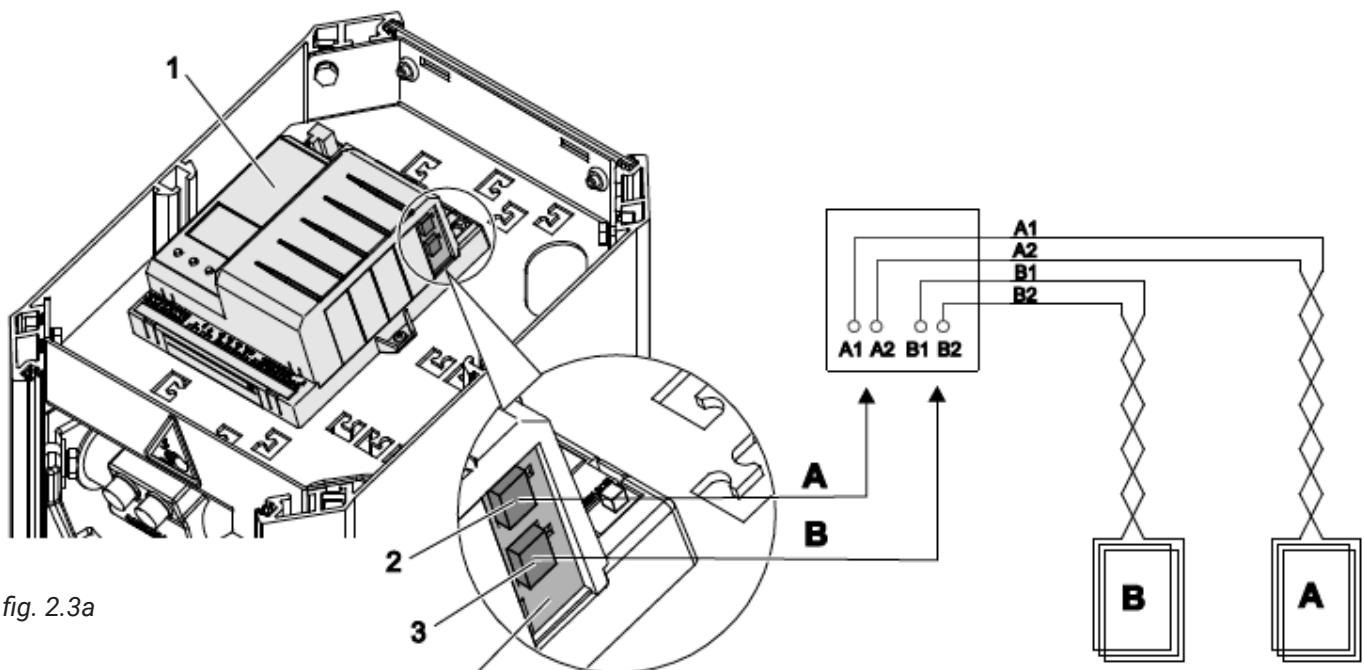


fig. 2.3a

3. Programming



3.1 Programming Intro

Programming is performed by navigating system menus using buttons on main control board. These push buttons correspond with icons on bottom of digital screen.

Fig 3.1b indicates how main screen should appear when programming is complete.

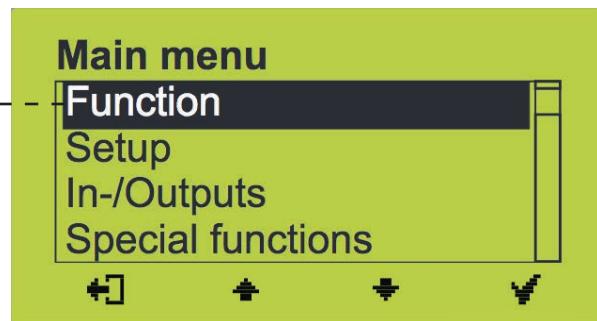


fig. 3.1a

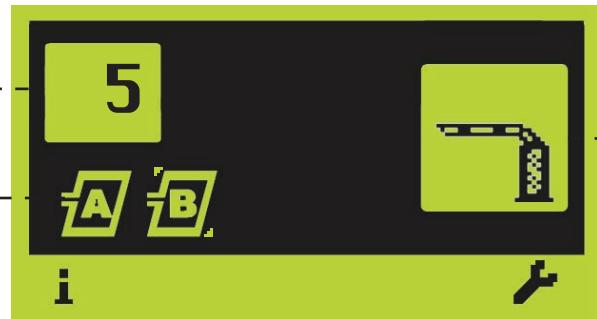
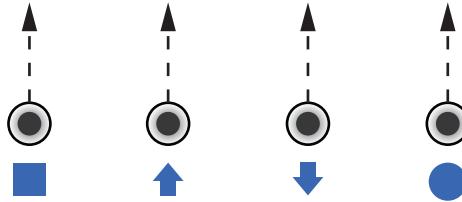
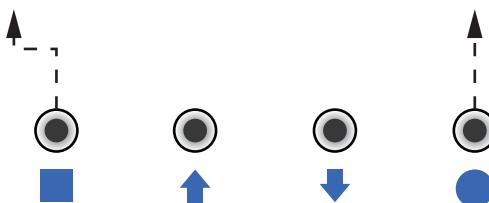


fig. 3.1b





3.2 Setting Screen Contrast

1. Turn off gate
2. Turn unit back on. During boot 'Magnetic Access' logo will appear for 3sec
3. While 'Magnetic Access' logo is still on screen, press either   buttons (fig 3.1a) to adjust contrast.
Press  to increase contrast (make screen darker)
Press  to decrease contrast (make screen lighter)
4. Once desired contrast is set, let system continue to boot. Setting will save automatically.

NOTE



By pressing either   the boot up logo will extend its on-screen time by 2sec



3.3 Program Mode

Main Menu > Function > Prog. Mode > Automatic (5) > Save

1. Ensure you are on main screen (fig 3.1b) with service mode 'off'.
2. Enter '**Main Menu**' by selecting
3. Use to scroll through options until '**Function**' is highlighted.
4. Select to enter menu.
5. The option, '**Prog. mode**' will be highlighted. Select to enter menu.
6. Use the to scroll through options until '**Automatic (5)**' is highlighted
7. Press the button for twice to select and save
8. Continue to press until you exit to main screen (fig 3.1b)
9. The function number located in right corner should be '5' (fig 3.1b)



3.6 Programming Loops

Loop A: Main Menu > Detector 1 (A-B) > Mode A > 'Active' > Save

Loop B: Main Menu > Detector 1 (A-B) > Mode B > 'Safety Loop' > Save

1. Ensure you are on main screen (fig 3.1b) with service mode 'off'.
2. Enter '**Main Menu**' by selecting 
3. Use   to scroll through options until '**Detector 1 (A-B)**' is highlighted.
4. Select  to enter menu.
5. Use   to scroll through options until '**Mode A**' is highlighted.
6. Select  to enter menu.
7. Use   to scroll through options until '**Active**' is highlighted.
8. Press the button for  twice to select and then save
9. Press  once to return to '**Detector 1 (A-B)**' menu
10. Use   to scroll through options until '**Mode B**' is highlighted.
11. Select  to enter menu.
12. Use   to scroll through options until '**Safety Loop**' is highlighted.
13. Press the button for  twice to select and save
14. Continue to press  until you exit to main screen (fig 3.1b)
15. Loop B icon on main screen should now have two small triangles displayed on two corners, this indicates loop B is the safety loop (fig 3.1b)



3.5 Programming Input

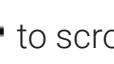
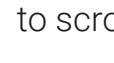
Main Menu > In- /Outputs > Inputs > 'Input 1' > 'Open Low Priority' > Save

1. Ensure you are on main screen (fig 3.1b) with service mode 'off'.
2. Enter '**Main Menu**' by selecting
3. Use to scroll through options until '**In- /Outputs**' is highlighted.
4. Select to enter menu.
5. Use to scroll through options until '**Inputs**' is highlighted.
6. Select to enter menu.
7. Use to scroll through options until '**Input 1**' is highlighted.
8. Use to scroll through options until '**Open Low Priority**' is highlighted.
9. Press the button for twice to select and then save
10. Continue to press until you exit to main screen (fig 3.1b)



3.6 Programming Output

Main Menu > In- /Outputs > Outputs > 'Relay 4' > 'Loop active A' > Save

1. Ensure you are on main screen (fig 3.1b) with service mode 'off'.
2. Enter '**Main Menu**' by selecting 
3. Use   to scroll through options until '**In- /Outputs**' is highlighted.
4. Select  to enter menu.
5. Use   to scroll through options until '**Outputs**' is highlighted.
6. Select  to enter menu.
7. Use   to scroll through options until '**Relay 4**' is highlighted.
8. Use   to scroll through options until '**Loop active A**' is highlighted.
9. Press the button for  twice to select and then save
10. Continue to press  until you exit to main screen (fig 3.1b)

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Questions?

Contact our support team!



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