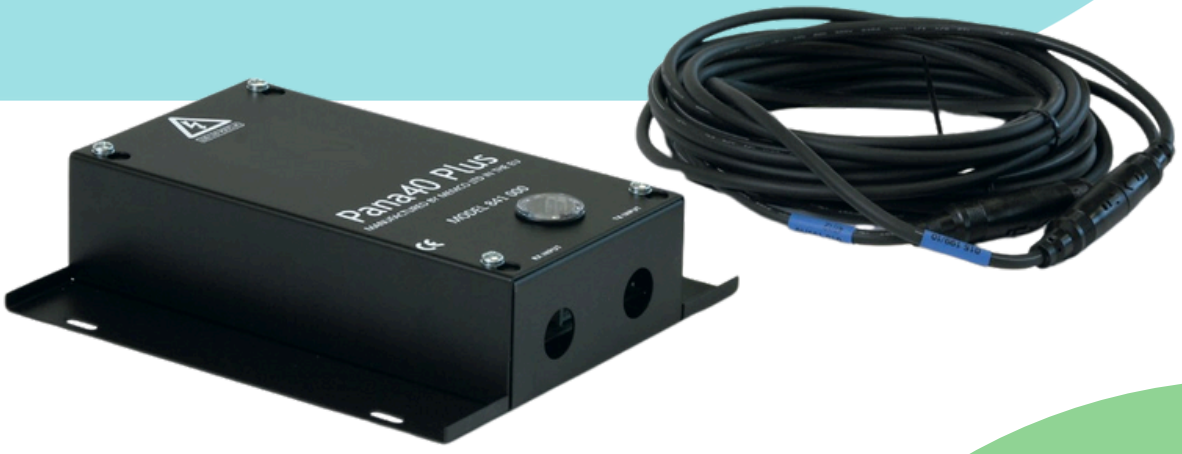
JANUS® by AVIRE

Installation & Operations Manual

Pana40Plus 2D / 3D Controllers



2 YEAR WARRANTY

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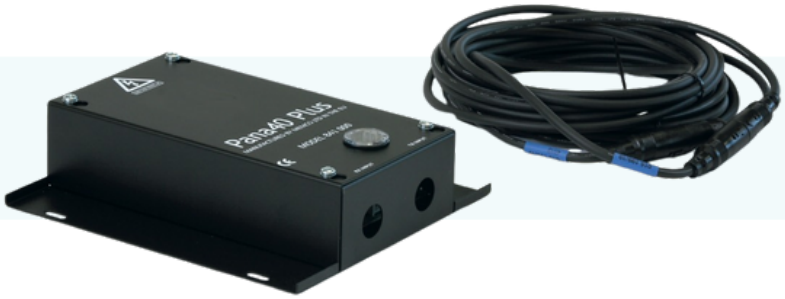
Installation

+Note:
+2D detectors require 2D Pana40 Plus Controller
+3D detectors require 3D Pana40 Plus Controller

1. Secure Pana40 Plus Controller in a suitable position on top of car to avoid damage.
2. Connect the Controller with the correct mains supply voltage and inputs (see instruction label inside lid).
3. It is important to ensure that the detector cables and traveling cables (015 199) are secured to the door correctly and that the traveling cable is routed to the controller correctly.
4. Connect the Transmit (TX) and Receive (RX) leads into the Controller sockets as marked
5. On completion, carefully open and shut doors by hand to check the traveling cable (015 199) has a smooth free movement and is not liable to snag on anything during normal operation otherwise there is a risk of leads being damaged by the lift doors or caught up when lift moves.
6. Correct operation will show display showing 3 bars scanning up/down. If this is not observed, switch number SW3 ON and check trouble shooting guide, card is located on the side of the controller lid.
7. Static Installation Jumper J1 needs to be over both pins (see instruction label inside lid).



Set-up for 3D model controllers

3D Operating Mode	Switch 1	Switch 2
As Doors Close	OFF	OFF
At 2'8" (800mm)	OFF	ON
3D timeout - 20 seconds	ON	OFF
3D timeout - 10 seconds	ON	ON

3D Sensitivity	Switch 3	Switch 4
Highest	ON	ON
Intermediate	OFF	ON
Normal	ON	OFF
Off	OFF	OFF

Table 1

To configure 3D Pana40 Plus Controller:

+ Fit the Pana40 Plus 3D detectors (Models 77X) to the controller.
+ All 3D controllers are factory set as: 3D activated settings 'as door close' on 'Highest' sensitivity'.
+ Select the 3D Operating Mode using switches 1 & 2 if necessary (see Table 1 opposite)
+ Adjust the 3D Sensitivity using switches 3 & 4 if necessary (see Table 1)

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As doors close - Switches 1 & 2 both OFF.

+ 3D proximity detection will be activated as the doors begin to close. The system will allow up to three consecutive triggers on the 3D. After this, the 3D will be turned off leaving only the light curtain detection. An intermittent beep will sound as a warning that the doors are closing. If the light curtain is broken then three further 3D triggers are enabled.

At 800mm (2' 8") - Switch 1 OFF & Switch 2 ON.

+ This mode of 3D operation is similar to 'As Doors Close' but the 3D will only become active when the doors are closing and have reached a separation of 800mm (2' 8"). This mode is usually for wider doors restricting the range of 3D detection into the landing.

3D Timeout (20 seconds) - Switch 1 ON and Switch 2 OFF.

+ In this mode of operation, the 3D proximity detection is activated when the doors have reached their fully opened position. As long as the 3D detection zone is clear the doors will be closed normally by the door operator. However, if someone is inside the 3D detection zone then the doors will be held open i.e. the door operator relay is de-energized and a timer is started. If the timer expires the doors are allowed to close with an intermittent beep sounding as a warning. This beep will occur regardless of the 'TONE' switch position. If the 3D zone becomes clear then the timer is reset and the door operator relay is re-energized allowing the doors to close.

If the light curtain is broken at any time, the timer will then be reset and the door operator relay is de-energized which allows the doors to re-open.

3D Timeout (10 seconds) - Switch 1 & 2 ON.

+ The operation is the same as in previous section. However, the 3D is set at 10 seconds internally.

3D Sensitivity Adjustment: (Switch 3 & 4).

+ In most cases the 3D's sensitivity will not require adjustment. However, it may need to be adjusted to overcome spurious reflections which cause erratic 3D triggering. The sensitivity should be first set to the highest level i.e. level 1. If erratic 3D triggers are experienced then select the next lower level of sensitivity. Continue lowering the sensitivity until the unit operates without any erratic 3D triggers.

843 Models

+ Relay 2 is a double pole change-over relay. The second relay function e.g. "Canadian Timeout" is programmed in the Model 843 firmware.
+ Canadian Timeout Function This timeout is designed to close the doors at a reduced speed, if the cables becoming unplugged or any beams are obscured.

2D Troubleshooting Guide:

For 2D troubleshooting, refer to Diagnostic Fault Card attached to the side of the lid.

3D Troubleshooting Guide:

No 3D detection when the 3D is supposed to be active	Check that 3D detectors are fitted with a 3D controller. Check that TX is on left and RX on right when viewed from landing. Check that switches 3 & 4 are not both in the Down position Check that switches 1 & 2 are correctly set to desired mode
Unit false triggers as doors are closing	Make sure that the 3D detectors are mounted as far forward as possible. Reduce the sensitivity using switches 3 & 4 if necessary.

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