

Height Adjustable Table

User Guide

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Glossary

Components:

- Desk leg (DL)** The lifting columns, typically with powder coated steel profiles, responsible for lifting the working load of the application.
- Control box (CBD6S)** Both the computer and power supply of the system.
- Desk panel (DP)** The user interface. Depending on the model, it is used to activate the application, set memory positions, display the height, display error codes, connect to mobile apps, and give reminders to the user.
- Motor cable** Transmits low voltage power (18-39 VDC) from the control box to the desk legs, and also transmits Piezo signals when available from the desk leg.
- Mains cable** Transmits high voltage power (120 VAC in US and Canada) to the control box.

Other:

- Initialize** Procedure to reset all desk legs to the fully retracted position so that the control box knows where they are.
- Reference** Any group of desk legs that run in parallel when an Up or Down command is sent to the control box. It is possible to have a custom control box configuration that allows for more than one Reference. [Example: Two (2) desk legs on Reference #1 (Channels #1 and #2) to lift a work surface, and one (1) LA31 on Reference #2 (Channel 3) to adjust a monitor array.]

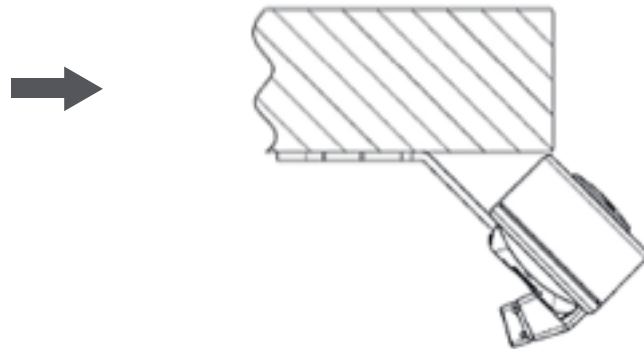
Introduction

There are four available options for control switches:

1. Basic Control Switch (DPF1K)
2. Programmable Control Switch with Display (DPF1C)
3. Basic Paddle Control Switch (DPG1K)
4. Programmable Paddle Control Switch (DPG1C)

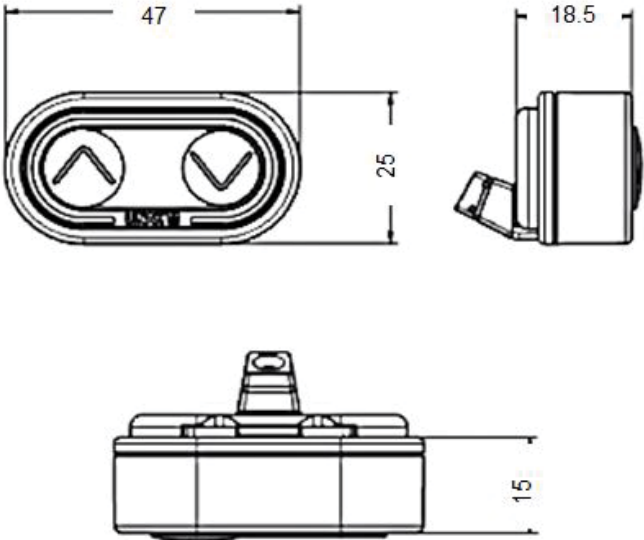
Only DPF control switches must be mounted with a 45° mounting bracket and placed at the edge of the tabletop.
See illustration below:

Control switch mounted with a 45° mounting bracket on the edge of a tabletop.



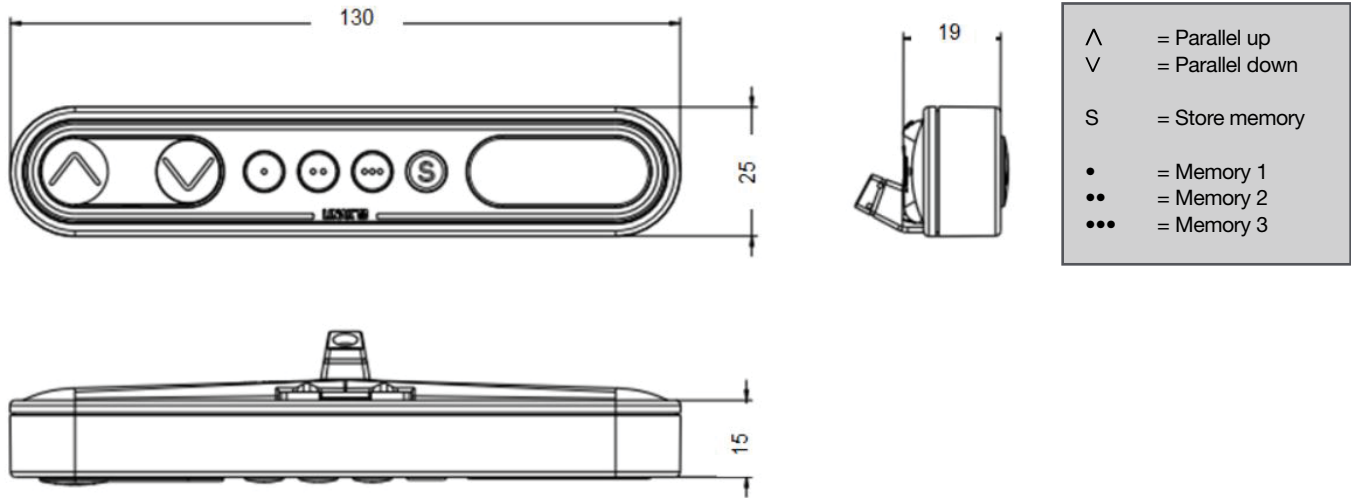
Basic Control Switch (DPF1K)

This controller provides basic up and down functions.



Programmable Control Switch with Display (DPF1C)

The programmable control switch with display shows you the height in either centimeters or inches. It also features an automatic shut-off for when the unit is not in use thereby saving power in standby mode. As an extra feature, the panel can be used for diagnostics as error codes can be displayed.



How to use the controls

Up and down (arrows):

Activate either the up or down button for parallel drive. The system will drive until the button is released again or the system reaches end position.

Memory:

The four small buttons are used for memory drive or storing memory.

Store Memory:

- Press the "S" button – display will flash for 2seconds
- Within these two seconds press one of the small buttons with dots and the position will be stored at this button
- The panel will acknowledge by showing "1", "2" or "3" in the display depending on chosen position

Memory drive (small buttons with dots):

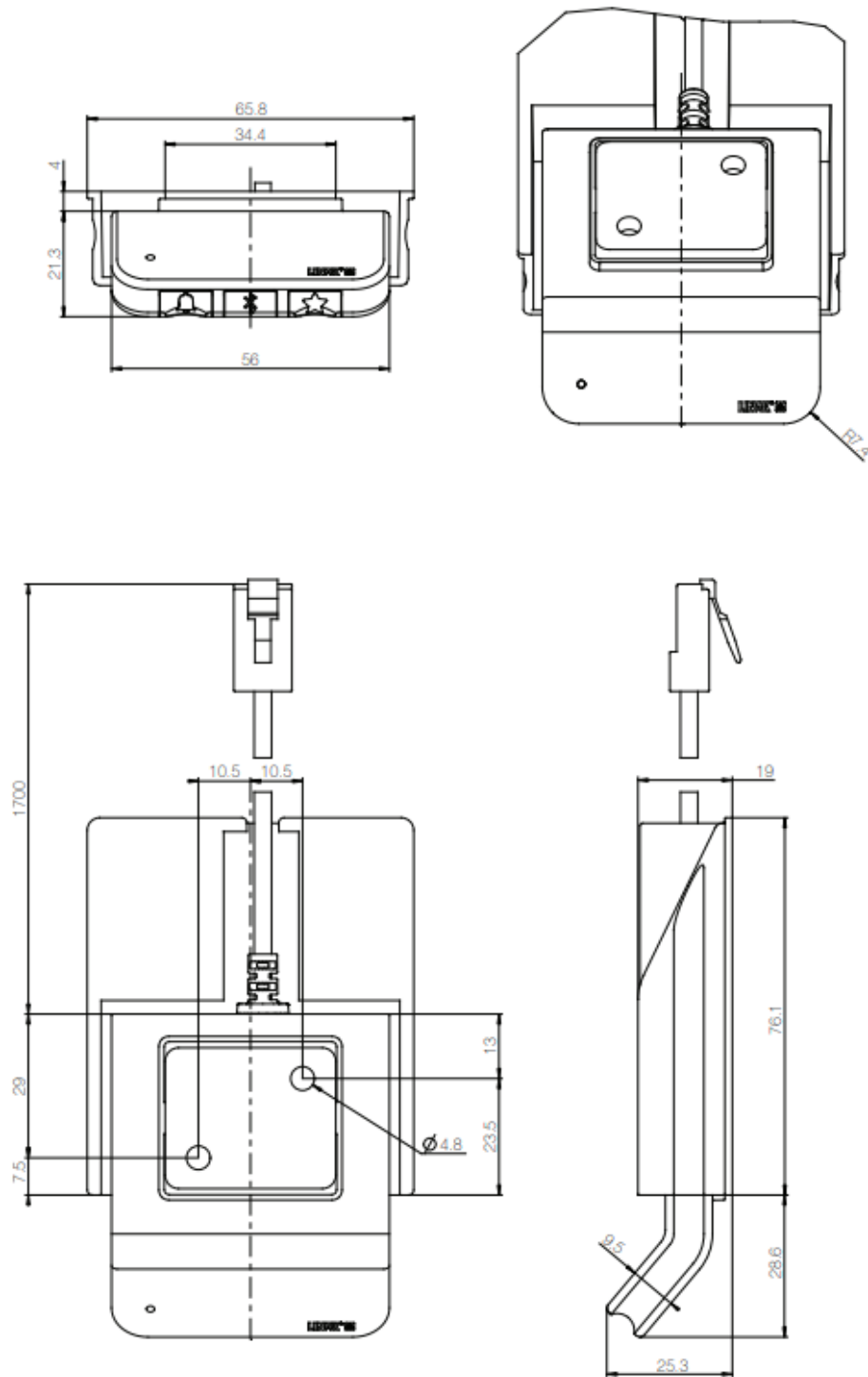
Press one of the memory buttons and the system will start driving to the pre-programmed memory position. Keep the button pressed until the desired position has been reached.

Display function:

Display shows the actual height in either centimeters or inches.
Display will show error codes if error in table occurs.

Basic Paddle Control Switch (DPG1K)

This controller provides basic up and down functions.



Programmable Paddle Control Switch (DPG1C)

How to use the controls

Up and down (arrows):

Activate either the up or down button for parallel drive. The system will drive until the button is released again or the system reaches end position.

Memory:

This switch has a "store memory" button that supplies four memory positions.

Display function:

Display shows the actual height in either centimeters or inches.
Display will show error codes if error in table occurs.

Bluetooth:

Once the Desk Control™ App is downloaded onto your device, the paddle switch can be connected via Bluetooth. This App can drive controls and create pre-sets for your desk.

- App comes in 8 languages (English, German, French, Spanish, Italian, Korean, Chinese and Japanese)

Light strip reminder:

A thin line of LED lighting is used to remind the user to adjust the height of the desk based on the intervals chosen.

- Three intervals for reminders (55 minutes, 50 minutes or 45 minutes)
- Intervals can be customized through the Desk Control™ App

Basic Troubleshooting Guide

Two ways to Troubleshoot:

1. Controller with display only shows error codes. To order parts, refer to order entry codes in chart at the end of the document
2. Swap controllers if you have multiple to see if it is only the controller that is having errors

Standard Troubleshooting Procedures:

P1 - Initialize the control box (“reset”)

Note: This is commonly the solution when a complaint is that a desk will move down but not up. When a control box requires initialization, this is how the system is programmed to behave.

1. Hold Down button on desk panel to ensure the desk is retracted to its lower limit (whether it's the fully retracted hard stop, or a configured lower limit).
2. Briefly release Down
3. Press and hold Down for 5 seconds, wait until all desk movement has stopped, then release
 - a. If initialization is successful, you should see a slight up/down “handshake” movement of the desk legs
 - b. If you have a desk panel with display, you should also see E01 during this part of the procedure.

P2 - Check all cable connections

1. Mains cable, connected to both the control box and power outlet.
2. All motor cables, connected to both the control box and desk leg.
3. Assuming a standard control box configuration, these must be connected in channels 1 and 2, or channels 1, 2 and 3 for a 3-leg table. They can't be connected in channels 1 and 3 or 2 and 3 unless there is a configuration on the control box specifying this arrangement.
4. Desk panel cable, connected to the control box in either port A1 or A2 (doesn't matter which)

P3 - Check for obstructions

1. Check under, above and on the sides of the desk for any obstructions that could prevent movement in either direction.

Note: Ideally, for each of the following two troubleshooting procedures (P4 and P5), one would have an extra, known good version of the components listed in the Components Glossary at the beginning of this document. It's not necessary to have the exact same item numbers as those that are being evaluated, unless one is replacing a single desk leg. However, it's possible to do some troubleshooting with a different type of desk leg.

P4 - Check for faulty component(s) WITH error codes (digital display on Desk Panel, or on app via Bluetooth)

Note: Check the error code list in the appendix of this troubleshooting guide for assistance. The code should read E##. Some error codes are channel-specific which can help pinpoint the problem.

Basic Troubleshooting Guide

| SYMPTOM | PROCEDURE |
|--|--|
| System will move down but not up | 1. Initialize (P1) |
| System unresponsive (no power to display with any button is pressed). If any of these steps activates the digital display, initialize the system (P1). | <ol style="list-style-type: none"> 1. Check mains cable connection 2. Test power outlet using another device (lamp, phone charger, etc.) 3. Plug in a new switch and test 4. Connect all existing cables to a new control box and test |
| SYMPTOM | 1. PROCEDURE |
| System is powered, but will not initialize | <ol style="list-style-type: none"> 1. Try pressing and releasing the down button a few times before pressing and holding for 5 seconds. 2. Also, be aware if the control box has a special configuration: If the desk is programmed with a lower stroke limit, so as to avoid a collision with something like a file cabinet, it is possible that it also has a custom, longer Forced Initialization Time. This is the time required to hold Down before initialization begins. Sometimes this is 10 seconds or longer. 3. If you have a standard control box without a special configuration (i.e. "Plug & Play"), try to initialize each leg in Channel 1 by itself, with nothing else plugged into the motor channels on the control box. Also, swap the motor cables so that a different motor cable is used to initialize Channel 1 by itself. The problem could be a faulty desk leg or a faulty motor cable. |
| Channel-specific error (Ex: E41 – Channel 1 overload) – Everything except Piezo errors (E59-E63) | <ol style="list-style-type: none"> 1. Swap the motor cable connections at the control box (Motor cable #1 from channel 1 to 2, motor cable #2 from channel 2 to 1). If it remains E41, there could be a problem with the application (load or obstruction on one side) or a bad control box. If the error changes to E42, go to step P4-3-b. 2. Swap the motor cable connections at the desk legs, so that the leg that was originally connected to Channel 1 is back in Channel 1, but with the motor cable that was originally connected to Channel 2. If it remains E42, it is most likely a bad motor cable, now connected to Channel 2. If it goes back to E41, it is most likely a bad desk leg, now connected to Channel 1. |
| Desk is uneven | <ol style="list-style-type: none"> 1. Initialize the desk. If both legs begin to run down, complete the initialization. If only one leg moves, stop and move to Step 2. 2. Check motor cable connections. Check to ensure motor cables are not pulled during movement. With a standard, Plug & Play control box, it's possible that only one leg is connected, and connected to Channel 1. In this case, it will initialize and run Channel 1 only. If there is only one leg but it's connected to Channel 2, it will not initialize. 3. If a motor cable was disconnected, try initializing again. 4. If unsuccessful, connect the desk leg from Channel 2 into Channel 1, with nothing in Channel 2, and initialize. 5. Try initializing the same leg that's in Channel 1, but with a different motor cable. If it still won't initialize, replace the desk leg. |

Basic Troubleshooting Guide

P5 – Check for faulty component WITHOUT error codes (no digital display on Desk Panel, no Bluetooth)

| SYMPTOM | PROCEDURE |
|---|---|
| System will move down but not up | 1. Initialize (P1) |
| SYMPTOM | PROCEDURE |
| <p>System will not initialize.</p> <p>OR</p> <p>System won't complete the full range of motion.</p> <p>– After each of these steps, attempt to initialize (P1).</p> | <ol style="list-style-type: none"> 1. Check mains cable connection. Test power outlet using another device (lamp, phone charger, etc.) 2. Plug in a new switch. 3. Connect all existing cables to a new control box. 4. Try pressing and releasing the down button a few times before pressing and holding for 5 seconds. 5. Also, be aware if the control box has a special configuration: If the desk is programmed with a lower stroke limit, so as to avoid a collision with something like a file cabinet, it is possible that it also has a custom, longer Forced Initialization Time. This is the time required to hold Down before initialization begins. Sometimes this is 10 seconds or longer. 6. If you have a standard control box without a special configuration (i.e. "Plug & Play"), try to initialize each leg in Channel 1 by itself, with nothing else plugged into the motor channels on the control box. Also, swap the motor cables so that a different motor cable is used to initialize Channel 1 by itself. The problem could be a faulty desk leg or a faulty motor cable. |
| Desk is uneven | <ol style="list-style-type: none"> 1. Initialize the desk. If both legs begin to run down, complete the initialization. If only one leg moves, stop and move to Step 2. 2. Check motor cable connections. Check to ensure motor cables are not pulled during movement. With a standard, Plug & Play control box, it's possible that only one leg is connected, and connected to Channel 1. In this case, it will initialize and run Channel 1 only. If there is only one leg but it's connected to Channel 2, it will not initialize. 3. If a motor cable was disconnected, try initializing again. 4. If unsuccessful, connect the desk leg from Channel 2 into Channel 1, with nothing in Channel 2, and initialize. 5. Try initializing the same leg that's in Channel 1, but with a different motor cable. If it still won't initialize, replace the desk leg. |

Error Codes

Please contact your SRT representative and provide them with the error code (EXX) for further assistance.

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|-----------------------|--|---|--|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E01 | Position Lost | The desk has an unknown position and needs to be initialized | <ul style="list-style-type: none"> • Position error • New Desk Leg added | <ul style="list-style-type: none"> • Initialize the system |
| E02 | General Overload Up | Overload in upward direction has occurred | - | - |
| E03 | General Overload Down | Overload in downward direction has occurred | - | - |
| E08 | Watchdog | Indicate that software failed to kick watchdog | <ul style="list-style-type: none"> • Program fault | <ul style="list-style-type: none"> • Unplug mains cable for 15 sec • Initialize the system • Replace Control Box |
| E09 | LIN collision | Collisions detected on the LIN bus | <ul style="list-style-type: none"> • Key pressed on two or more connected handset simultaneously • Multiple LINBUS devices activated simultaneously | <ul style="list-style-type: none"> • Check if another desk panel is connected and being activated • Unplug all but one desk panel and test system |
| E10 | Power fail | Power fail happened, or power regulator adjusted below 10% | <ul style="list-style-type: none"> • Mains cable pulled during driving • Internal fault • Only 1 battery for a 3- or 4-channel system • "E10 is a power fail, voltage on power supply drops below a certain limit, power removed" | <ul style="list-style-type: none"> • Check mains cable is not caught, and is allowed to freely travel • Use strain-relief loop built into control box • Use a 2nd battery; charge batteries |
| E11 | Channel mismatch | Change in number of actuators since initialization | <ul style="list-style-type: none"> • Disconnection • Desk Leg added | <ul style="list-style-type: none"> • Check Motor cable connections and Integrity • Change Motor cable or Desk Leg • Initialize the system |
| E12 | Position error | One channel have position different than others | <ul style="list-style-type: none"> • Too much back drive occurred | <ul style="list-style-type: none"> • Move table to fully retracted position • Initialize system |
| E13 | Short circuit | Short circuit detected during operation | <ul style="list-style-type: none"> • Squeezed Motor Cable • Short in motor | <ul style="list-style-type: none"> • Check motor cable connections • Isolate and replace Motor Cable • Isolate and replace Desk Leg |

Error Codes

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|-----------------------------|---|--|---|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E15 | Power limit | System has reached its power limitation | <ul style="list-style-type: none"> • Mains cable pulled during driving • Internal fault • Many times will see this alongside E10 • "E15 is when power regulator has adjusted speed down on actuators without any significant current draw, usually caused by power supply dropping." | <ul style="list-style-type: none"> • Check mains cable is not caught, and is allowed to freely travel • Use strain-relief loop built into control box |
| E16 | Key Error | Illegal keys pressed (handled internally in DP1C). | <ul style="list-style-type: none"> • Hitting multiple buttons simultaneously | <ul style="list-style-type: none"> • Check switch |
| E17 | Safety missing | LIN bus unit does not support safety feature | <ul style="list-style-type: none"> • * DP1C/DPF1C does not have up-to-date software | <ul style="list-style-type: none"> • >Try DP with more recent software version (version printed on label) |
| E18 | Missing Initialization plug | A special service tool is required to change number of channels to the system | <ul style="list-style-type: none"> • [BASELIFT Only] • Service tool missing from BASELIFT system when initializing | <ul style="list-style-type: none"> • Add service tool |
| E23 | Ch1 missing | Channel 1 is detected missing | <ul style="list-style-type: none"> • Disconnection • Faulty motor cable • Faulty motor in leg | <ul style="list-style-type: none"> • Check Motor cable connections and Integrity • Change Motor cable or Desk Leg • Initialize the system |
| E24 | Ch2 missing | Channel 2 is detected missing | <ul style="list-style-type: none"> • Disconnection • Faulty motor cable • Faulty motor in leg | <ul style="list-style-type: none"> • Check Motor cable connections and Integrity • Change Motor cable or Desk Leg • Initialize the system |
| E25 | Ch3 missing | Channel 3 is detected missing | <ul style="list-style-type: none"> • Disconnection • Faulty motor cable • Faulty motor in leg | <ul style="list-style-type: none"> • Check Motor cable connections and Integrity • Change Motor cable or Desk Leg • Initialize the system |
| E26 | Ch4 missing | Channel 4 is detected missing | <ul style="list-style-type: none"> • Disconnection • Faulty motor cable • Faulty motor in leg | <ul style="list-style-type: none"> • Check Motor cable connections and Integrity • Change Motor cable or Desk Leg • Initialize the system |
| E29 | Ch1 type | Channel 1 is not same type as when initialized | <ul style="list-style-type: none"> • Change in Desk Leg type • Loose wire inside motor | <ul style="list-style-type: none"> • Check Desk Leg type • Change Desk Leg • Initialize the system |

Error Codes

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|-----------------|--|---|---|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E30 | Ch2 type | Channel 2 is not same type as when initialized or not same type as channel 1 | <ul style="list-style-type: none"> • Change in Desk Leg type • Loose wire inside motor | <ul style="list-style-type: none"> • Check Desk Leg type • Change Desk Leg • Initialize the system |
| E31 | Ch3 type | Channel 3 is not same type as when initialized or not same type as channel 1 | <ul style="list-style-type: none"> • Change in Desk Leg type • Loose wire inside motor | <ul style="list-style-type: none"> • Check Desk Leg type • Change Desk Leg • Initialize the system |
| E32 | Ch4 type | Channel 4 is not same type as when initialized or not same type as channel 1 | <ul style="list-style-type: none"> • Change in Desk Leg type • Loose wire inside motor | <ul style="list-style-type: none"> • Check Desk Leg type • Change Desk Leg • Initialize the system |
| E35 | Ch1 pulse fail | Channel 1 had to many pulse errors | <ul style="list-style-type: none"> • Loose/faulty cable • Hall sensor PCB | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Change Desk Leg |
| E36 | Ch2 pulse fail | Channel 2 had to many pulse errors | <ul style="list-style-type: none"> • Loose/faulty cable • Hall sensor PCB | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Change Desk Leg |
| E37 | Ch3 pulse fail | Channel 3 had to many pulse errors | <ul style="list-style-type: none"> • Loose/faulty cable • Hall sensor PCB | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Change Desk Leg |
| E38 | Ch4 pulse fail | Channel 4 had too many pulse errors | <ul style="list-style-type: none"> • Loose/faulty cable • Hall sensor PCB | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Change Desk Leg |
| E41 | Ch1 overload up | Overload up occurred on channel 1 | <ul style="list-style-type: none"> • Leg is overloaded • Hit obstruction • Reached end stop (before initialization at upper end-stop occurs) | <ul style="list-style-type: none"> • Remove obstruction • Remove load • Initialize if necessary |
| E42 | Ch2 overload up | Overload up occurred on channel 2 | <ul style="list-style-type: none"> • Leg is overloaded • Hit obstruction • Reached end stop (before initialization at upper end-stop occurs) | <ul style="list-style-type: none"> • Remove obstruction • Remove load • Initialize if necessary |

Error Codes

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|-------------------|--|---|--|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E43 | Ch3 overload up | Overload up occurred on channel 3 | <ul style="list-style-type: none"> • Leg is overloaded • Hit obstruction • Reached end stop (before initialization at upper end-stop occurs) | <ul style="list-style-type: none"> • Remove obstruction • Remove load • Initialize if necessary |
| E44 | Ch4 overload up | Overload up occurred on channel 4 | <ul style="list-style-type: none"> • Leg is overloaded • Hit obstruction • Reached end stop (before initialization at upper end-stop occurs) | <ul style="list-style-type: none"> • Remove obstruction • Remove load • Initialize if necessary |
| E47 | Ch1 overload down | Overload down occurred on channel 1 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E48 | Ch2 overload down | Overload down occurred on channel 2 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E49 | Ch3 overload down | Overload down occurred on channel 3 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E50 | Ch4 overload down | Overload down occurred on channel 4 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E53 | Ch1 anti-col | Anti-collision triggered on channel 1 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E54 | Ch2 anti-col | Anti-collision triggered on channel 2 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E55 | Ch3 anti-col | Anti-collision triggered on channel 3 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E56 | Ch4 anti-col | Anti-collision triggered on channel 4 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E59 | Ch1 SLS/PIEZO | Safety limit switch activated on channel 1 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E60 | Ch2 SLS/PIEZO | Safety limit switch activated on channel 2 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |

Error Codes

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|---------------|--|--|--|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E61 | Ch3 SLS/PIEZO | Safety limit switch activated on channel 3 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E62 | Ch4 SLS/PIEZO | Safety limit switch activated on channel 4 | <ul style="list-style-type: none"> • Hit obstruction | <ul style="list-style-type: none"> • Remove obstruction • Initialize if necessary |
| E65 | Ch1 pulse dir | Pulses counted wrong direction in channel 1 | <ul style="list-style-type: none"> • Motor poles are crossed • Hall sensor Cables are crossed | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Exchange Desk Leg |
| E66 | Ch2 pulse dir | Pulses counted wrong direction in channel 2 | <ul style="list-style-type: none"> • Motor poles are crossed • Hall sensor Cables are crossed | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Exchange Desk Leg |
| E67 | Ch3 pulse dir | Pulses counted wrong direction in channel 3 | <ul style="list-style-type: none"> • Motor poles are crossed • Hall sensor Cables are crossed | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Exchange Desk Leg |
| E68 | Ch4 pulse dir | Pulses counted wrong direction in channel 4 | <ul style="list-style-type: none"> • Motor poles are crossed • Hall sensor Cables are crossed | <ul style="list-style-type: none"> • Check motor cable connections and integrity • Initialize the system • Exchange Desk Leg |
| E71 | Ch1A short | Short circuit on channel 1 [If T-splitter is used, short circuit on 1A] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E72 | Ch1B short | Short circuit on channel 1 [If T-splitter is used, short circuit on 1B] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E73 | Ch2A short | Short circuit on channel 2 [If T-splitter is used, short circuit on 2A] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |

Error Codes

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|------------|--|--|--|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E74 | Ch2B short | Short circuit on channel 2 [If T-splitter is used, short circuit on 2B] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E75 | Ch3A short | Short circuit on channel 3 [If T-splitter is used, short circuit on 3A] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E76 | Ch3B short | Short circuit on channel 3 [If T-splitter is used, short circuit on 3B] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E77 | Ch4A short | Short circuit on channel 4 [If T-splitter is used, short circuit on 4A] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E78 | Ch4B short | Short circuit on channel 4 [If T-splitter is used, short circuit on 4B] | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| E84 | DC-out | DC unit has been disconnected or failed | • [Reserved for future development] | • [Reserved for future development] |
| E86 | Master | Connection to master lost OR following messages are from master | <ul style="list-style-type: none"> • [Only used in multiparallel system] • Poor cable connection to master box • If followed by another error code, then codes being communicated from master box | <ul style="list-style-type: none"> • Check connection to master box, check cable integrity • If communicating other error codes, see above |
| E87 | Slave 1 | Connection to 1st slave lost OR following messages are from 1st slave | <ul style="list-style-type: none"> • [Only used in multiparallel system] • Poor cable connection to slave box • If followed by another error code, then codes being communicated from slave box | <ul style="list-style-type: none"> • Check connection to master box, check cable integrity • If communicating other error codes, see above |





Error Codes

| DIAGNOSTIC CODES FOR CBD6S | | | | |
|----------------------------|-----------------------------------|--|--|--|
| CODES | NAME | DESCRIPTION | POTENTIAL CAUSE | SOLUTION/TROUBLESHOOTING |
| E88 | Slave 2 | Connection to 2nd slave lost OR following messages are from 2nd slave | <ul style="list-style-type: none"> • [Only used in multiparallel system] • Poor cable connection to slave box • If followed by another error code, then codes being communicated from slave box | <ul style="list-style-type: none"> • Check connection to master box, check cable integrity • If communicating other error codes, see above |
| E89 | Slave 3 | Connection to 3rd slave lost OR following messages are from 3rd slave | <ul style="list-style-type: none"> • Damage to motor cable • Damage to cable exiting leg (if applicable) | <ul style="list-style-type: none"> • Inspect motor cable for damage, replace if damaged • Inspect cable exiting leg (if applicable), replace if damaged. |
| 100 | Forced initialization Reference 1 | Forced initialization was initiated on this reference. Note: This code is not transmitted in LINBUS, therefore it is not displayed on the desk panel. It is only viewable in the CBD6S configurator list of most recent 10 error codes. | - | - |
| 101 | Forced initialization Reference 2 | | - | - |
| 102 | Forced initialization Reference 3 | | - | - |
| 103 | Forced initialization Reference 4 | | - | - |



Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|-----------------|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLK1DL5BLK | DL5 2 Stage Leg | Black |  |
| INLK1DL5GRY | DL5 2 Stage Leg | Grey |  |
| INLK1DL5WHT | DL5 2 Stage Leg | White |  |
| INLK1DL6BLK | DL6 3 Stage Leg | Black |  |



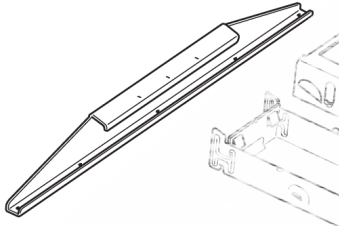
Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|-------------------|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLK1DL6GRY | DL6 3 Stage Leg | Grey |  |
| INLK1DL6WHT | DL6 3 Stage Leg | White |  |
| INLKCONBOX | 2 Leg Control Box | Black |  |
| INLK3CONBOX | 3 Leg Control Box | Black |  |

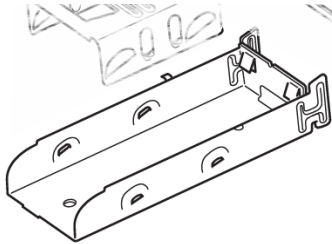

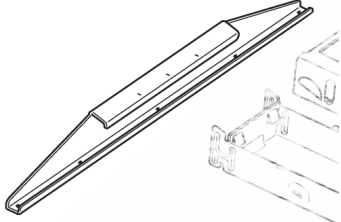
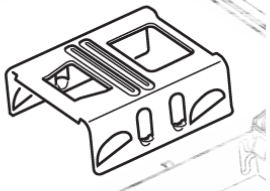
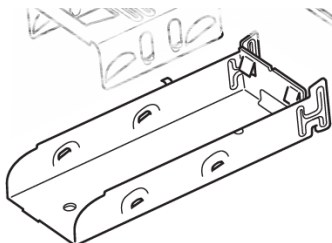
Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|--------------------------------|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLKHNDSET1 | Switch Simple Up down | Black |  |
| INLKHNDSET2 | Switch 4 memory display | Black |  |
| INLKHNDSET3 | Paddle Switch Simple Up down | Black |  |
| INLKHNDSET4 | Paddle Switch 4 memory display | Black |  |


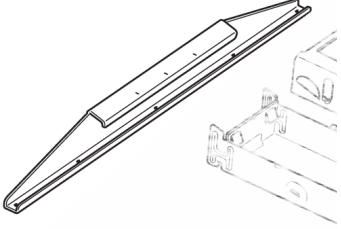
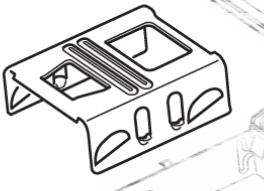
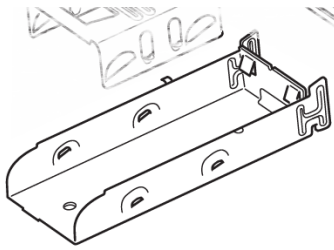

Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|--|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLKSCREWPACK2 | Screw Pack for Paddle Controller - DPG Switch | Black |  |
| INLKSCREWPACK | Screw Pack for Switch 4 Memory/ Simple Controller - DPF Switch | Black |  |
| INLKCANTILWHT | KNC Cantilever | White |  |
| INLKCLAMPWHT | KNC Clamp | White |  |

Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|----------------|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLKBASEKNCWHT | KNC Base | White |  |
| INLKKICKLOCKSLV | KNC Kick Lock | Silver |  |
| INLKCANTILBLK | KNC Cantilever | Black |  |
| INLKCLAMPBLK | KNC Clamp | Black |  |
| INLKBASEKNCBLK | KNC Base | Black |  |

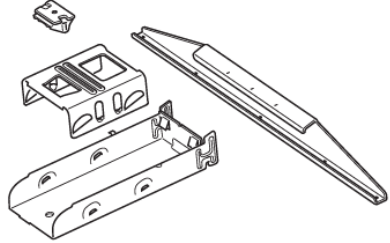
Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|----------------|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLKKICKLOCKSLV | KNC Kick Lock | Silver |  |
| INLKCANTILSLV | KNC Cantilever | Silver |  |
| INLKCLAMPSLV | KNC Clamp | Silver |  |
| INLKBASEKNCSLV | KNC Base | Silver |  |
| INLKKICKLOCKSLV | KNC Kick Lock | Silver |  |

Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|---|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| INLKLEGCAB | 1m PVC Free Motor Cable | Black |  |
| INLK120VCABLE | 120V Power Cable | Black |  |
| INLK45DBRAKET | 45 Deg Mounting Bracket (for DPF only) | Silver |  |
| KICKCLICK-BLK | Kick & Click Kit | Black |  |
| KICKCLICK-GRY | Kick & Click Kit | Grey |  |

Replacement Parts

| OE CODES FOR REPLACEMENT PARTS | | | |
|--------------------------------|------------------------|--------|---|
| OE CODES | DESCRIPTION | COLOUR | IMAGES |
| KICKCLICK-WHT | Kick & Click Kit white | White |  |

inscape

67 Toll Road
Holland Landing, Ontario
L9N 1H2 Canada

T 905 836 7676
F 905 836 6000

myinscape.com