

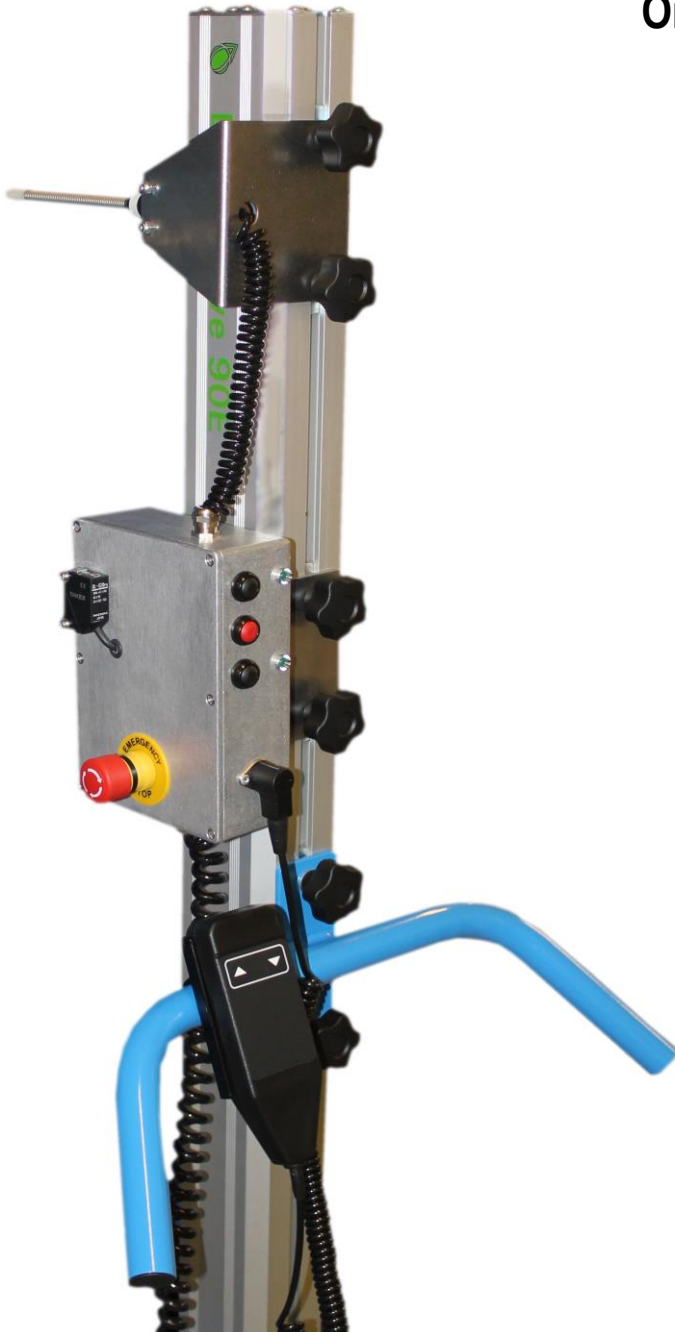


Automatic Up/Down

17091A

User's manual

Original instructions



It is important for you to read these instructions before you begin using the attachment.
Any questions? – Get in touch with your local dealer and/ or the manufacturer.

PRONOMIC AB

Street address:	Postal address:
Domherrevägen 15	Box 5504
192 55 Sollentuna	192 05 Sollentuna

Tel: +46 (0)8-544 706 60

Fax: +46 (0)8-544 706 70

E-post: info@pronomic.se

www.pronomic.se

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1 Description of Automatic Up/Down

The up down unit is an add-on for Pronomic Lift&Drive lifters. There is a sensor that will detect the level of the platform or the goods placed on the platform. The device can be set to automatically raise the goods to a set level, or lower the goods to a set level.

2 Warranty

The warranty applies for one (1) year from the date of delivery for material- and manufacturing errors. For the warranty to apply, maintenance should be carried out according to instructions. This warranty does not cover normal maintenance, settings or regular adjustments. Neither will labor costs from such measures be covered by the warranty. Damages caused by abuse or improper use of the equipment will also void the warranty.

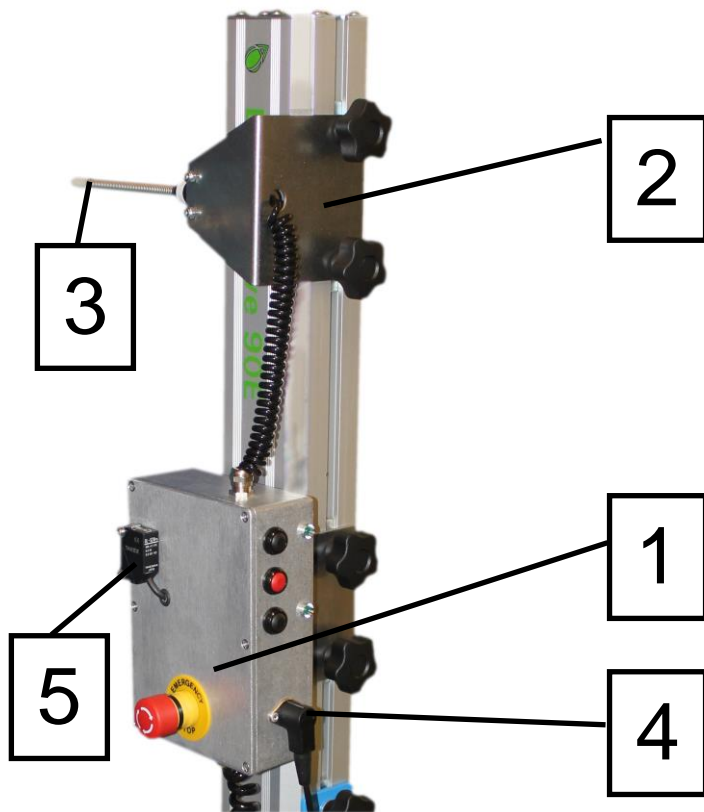
3 Safety

This product will make a standard Pronomic lifter run without a user pushing and holding a button. Moving an object or body part near the sensor (Image in *Assembly* position 5) can cause the machine to start moving. If used incorrectly or in the wrong environment this machine may pose a danger to people and goods. To ensure safe operation it is important to assess the environment where the machine will be used and to inform all personnel that will use the machine how it works and when it will automatically move. Before the machine is put into use it is the responsibility of the user to ensure that this machine is suitable for the intended purpose.

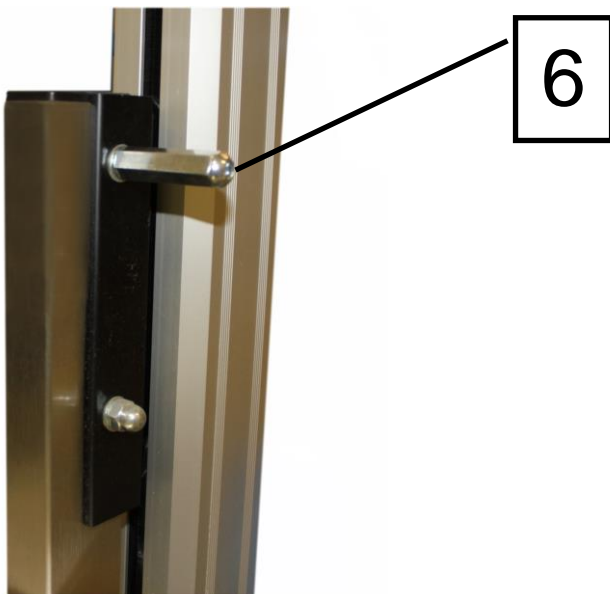
The following conditions must be met before using the machine:

- There are no objects near the machine where a pinch point can be created when the goods or platform is raised or lowered.
- The goods being raised or lowered does not pose a danger to users when the machine moves with or without user interaction.
- There is enough room for the user to step away from the machine if a potentially dangerous situation occurs.
- All personnel using the machine understand how the machine works and how to stop the machine.
- No dangerous situations will occur as a result of the platform or goods being raised or lowered.

4 Assembly



First slide the box (1) into the slot on the back of the mast and tighten the black nob to hold it in place, and then slide the top breaker (2) into the same slot. The breaker arm (3) must be at least 120mm from the top of the mast. Plug the hand control that came with the lifter into the 5-pin connector on the box (4). Plug the 5-pin connector from the box into the power pack on the lifter



Remove the nut from the top bolt holding the attachment to the slide and replace it with the extra-long nut (6). Use the manual control to raise the attachment and make sure the extra-long nut trips the breaker arm (3) before the slide reaches the top of the mast. The lifter should stop when the breaker arm is triggered and only lowering will be allowed.

You may need to remove the bolt and insert it from the other side if the nut is not on the same side as the breaker arm

4.1 Adjusting sensitivity of sensor

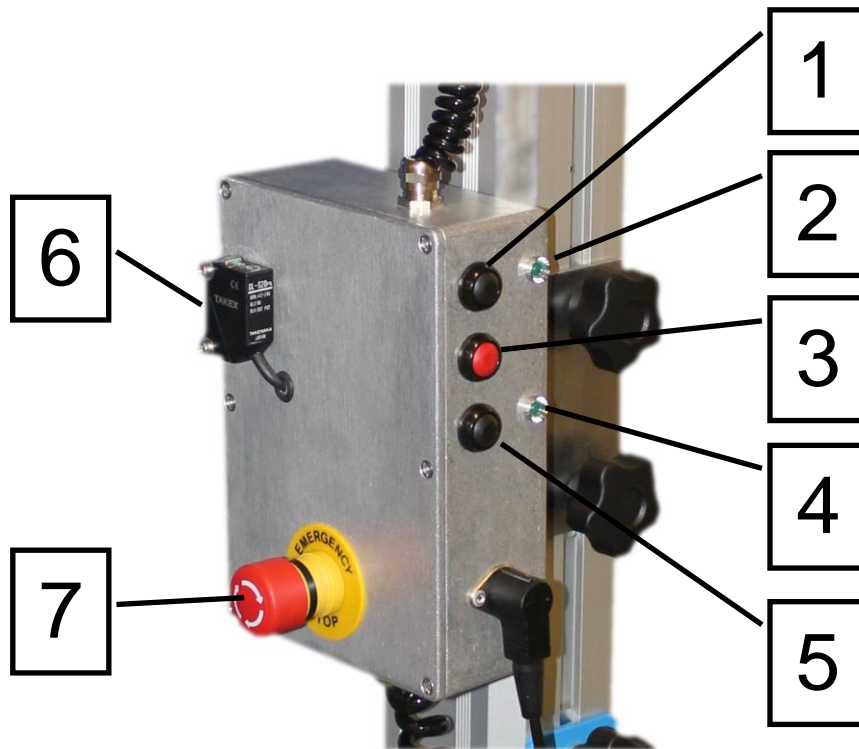


To adjust the sensitivity of the sensor turn the dial marked ADJ on the sensor with a small screwdriver. Test the sensitivity in both up and down mode until you find a settings that works well for both.

4.2 Adjusting the level of the sensor

Move the box up or down on the mast to place the sensor at the right level. Keep in mind that placing the sensor too low may cause the slide to reach the bottom position when in Down mode. See 5.2 Description of functions.

5 Use



5.1 Controls

1. Up mode button
2. Up mode light
3. Reset/stop button
4. Down mode light
5. Down mode button
6. Sensor
7. Emergency stop button

5.2 Description of functions

Press Up mode button to enter Up mode. The Up mode light will come on when Up mode is active. In Up mode the lifter will move upward until the sensor is covered or the top breaker (Image in *Assembly* position 3) is triggered.

Press Down mode button to enter Down mode. The Down mode light will come on when down mode is active. In down mode the lifter will move downward while the sensor is covered.

Press Reset/Stop button to exit Down or Up mode and enter manual mode.

In manual mode the lifter is controlled with the hand controller as described in the manual for the lifter.

Pressing Up mode button or Down mode button will start a 30 minute timer. When the timer expires the lifter will exit Up or Down mode and enter manual mode. Pressing Up mode button or Down mode button for more than 2 seconds at any time will reset the timer.

Pressing any button on the hand controller will put the lifter into manual mode.

Press the emergency stop button to stop the machine as fast as possible. The emergency stop is not intended as a way of turning the machine off during normal use. The emergency stop is reset by twisting the knob.

In down mode, if the sensor is placed too low, or too many things are placed on the platform, the slide will hit its lowest position while the sensor is still covered. In that case the lifter will continue to run downward until the user exits Down mode or the timer expires. If there is a possibility of this happening, the user must be instructed to exit Down mode when it happens.

6 Maintenance

6.1 Every week

Check the position of the upper breaker, the breaker arm should be a least 120mm from the top of the mast.

Test the function of the upper breaker by raising the platform using the manual control and then making sure the lifter stops when it reaches the upper limit breaker.

Adjust the sensitivity of the sensor if necessary.

6.2 Troubleshooting

Problem: Lifter goes up when sensor is covered and down when it is not.

Cause: The L-on/D-on setting of the sensor is wrong.

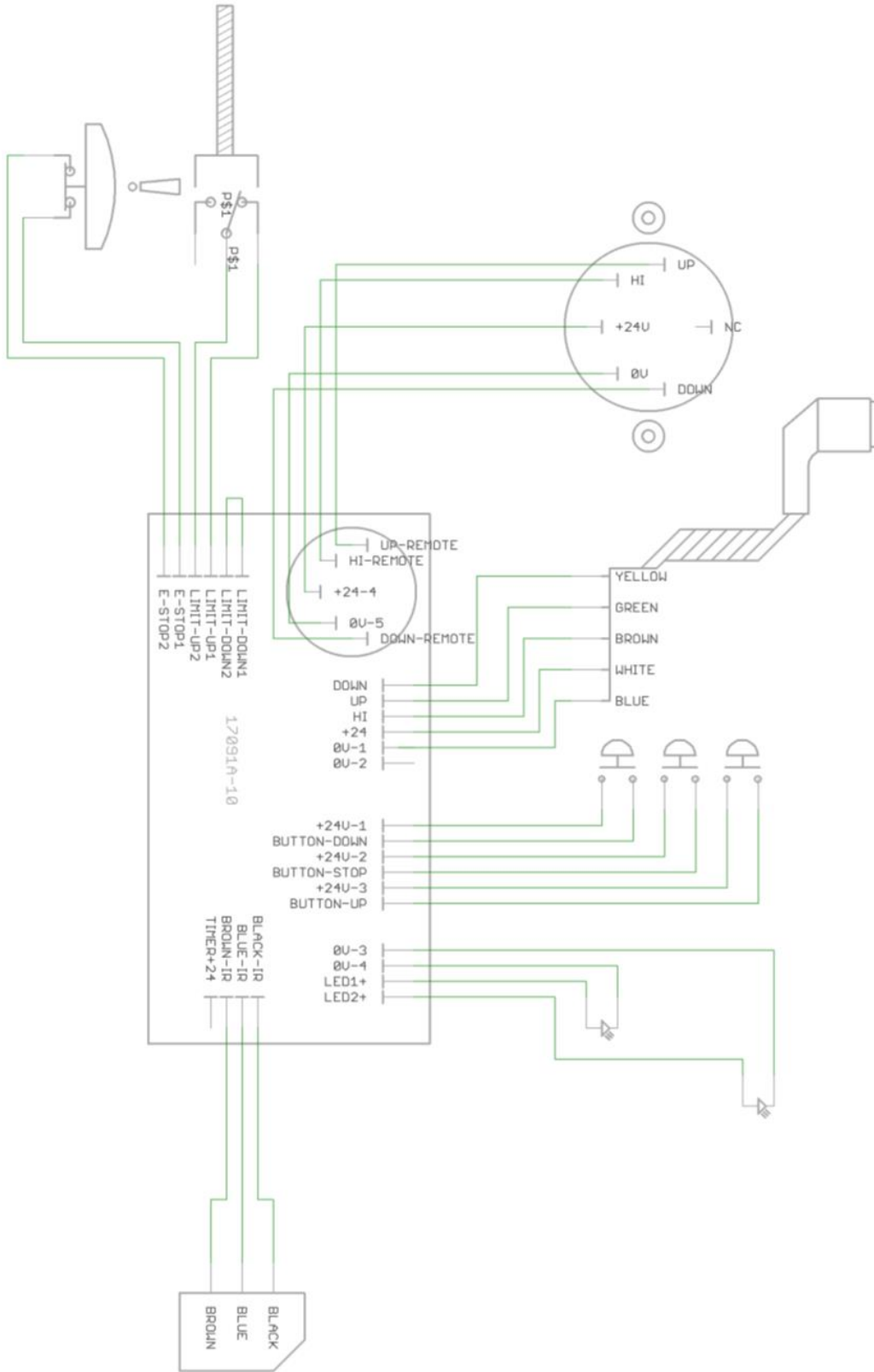
Solution: Use a small screwdriver to change the L-on/D-on setting on the sensor. Turn it all the way to the end.

Problem: Manual controls work but not the Up or Down mode.

Cause: A Pronomic power pack newer than 2009 is needed to power devices through the 5-pin hand control connector.

Solution: Use a newer power pack or contact your distributor to get an upgraded circuit board. 20001-10C or newer will support 5-pin power.

7 Electrical and schematics



8 Declaration of incorporation of partly completed machine

ORIGINAL

(in accordance with 2006/42/EC, Annex II 1B)

Manufacturer	PRONOMIC AB Box 5504 192 05 Sollentuna, Sweden
Model designation	<input type="checkbox"/> 17091A
Serial number	17091A-

Authorized to compile the technical file	Samuel Pierre, Pronomic AB, BOX 5504, 192 05 Sollentuna, Sweden
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Applied EC directives:


2006/42/EC	Machinery Directive
2014/30/EC	EMC Directive

Applied standards:

SS-EN ISO 12100:2010	Safety of machinery – General principles for design. Risk assessment and risk reduction
SS-EN 349+A1:2008	Safety of machinery - Minimum gaps to avoid crushing of parts of the human body

We hereby declare that the above-referenced machine, built and equipped with the attachment included in this manual, is in conformity with the applicable conditions stated in the directives.

Sollentuna, 2015-01-20


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Joakim Stannow, PRONOMIC AB

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