



OPERATIONAL **AND PARTS MANUAL FOR** HEIGHT INDICATING SYSTEM

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Specifications

LASERS:

Power: 10 to 30 VDC Measuring range: 0.2-30m (White), 90% remission Accuracy: ±3mm Resolution analogue: 12bit Resolution CAN: 0.1mm Light soruce: Laser diode, red light Laser class: 2(EN 60825/21 CFR1040 Current output: 0-20mA/4-20mA Interface: CAN (Layer2) Baud rate: 20-1000kbits/s CAN address: 11bits, free selectable Enclosure rating: IP65

CANview® Gateway 2011:

Power: 10VDC-30VDC Power input @24vdc: <80 mA

System power Source:

Any 10VDC to 30VDC power source.

INTRODUCTION

The unique design of the Height indicating system is a can-bus system that puts accurate information instantly at your fingertips. It is designed to plug into a LevelLiftIIA system. When this happens the display will sense the lasers are connected at which point the operator can scroll to the proper page on the display.

The system consists of the following components. A gateway that the lasers will plug into. Two or four lasers depending on if it's for a two-point or a four–point system and all the appropriate cords. The lasers are equipped with magnetic bases, so they can be place just about anywhere on the lifting units.



COMPONENTS



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SETTING UP YOUR HEIGHT INDICATIING SYSTEM

To set up the height indicating system: place the readout for the level lift system near the directional control valve levers at the power unit so the operator can easily see the display. The top of the gauge panel is a good location. The display can be tilted up and down to the desired position. Make sure the display has been fully charged.

The next step is to place the enclosure that is supplied with the height system on the power unit. Take the 2 meter molded cord that is supplied with the system, plug one end into the 5 pin connector that is to the left of the power switch on the gateway, and plug the other end in the five pin connector that is located on the left hand side of the display. However, the display has two additional 5-pin connectors that are located on the back of the display; those are for the level sensors.



Before placing the lasers, take note that they are numbered. Laser #1 should go on lift unit #1, Laser #2 on unit #2 and so on. Each laser is equipped with a magnetic base that can be turned on and off. Place each laser so that it is positioned under the header beam.



Take the 100 foot cords, take note that one end of the cord has a 8 pin connector and the other is a 5 pin, the 8 pin goes to the laser and the 5 pin to the gateway. All connectors keyed and can only be plugged in one way.



Take the power plug on the gateway and plug it in. Turn on just the gateway, the displays on the lasers will light up. With the lasers powered up go to each lifting unit and adjust the lasers so that the red beam of light is hitting the center line of the beam. Be sure not to shine the beam into your or anyone else's eyes, doing so will damage the eyes.



Warning!

Do not shine the lasers into your or anyone else's eyes or ever look directly into lens. Doing so will damage the eyes or cause blindness.



Do not look into the lens when the laser is turned on. Doing so can damage the eyes or cause blindness.

Once the lasers are positioned and powered up, turn on the level lift display and use the arrow buttons on the display to scroll to the height page. The lasers will read the actual distance from the laser to the beam or whatever object it is aimed at, this will be shown on the display.



Once you know the system is plumb and level the system can be zeroed by pressing the black button on the gateway. This is very useful if one of the lifting units is cribbed up higher than the other. To switch the system back to its default setting press the red button.



It is possible to use the level lift systems with the height system at the same time. However, it will be necessary to scroll back and forth to switch from one to the other. Refer to the operators' manual for the level lift for proper setup and operation.