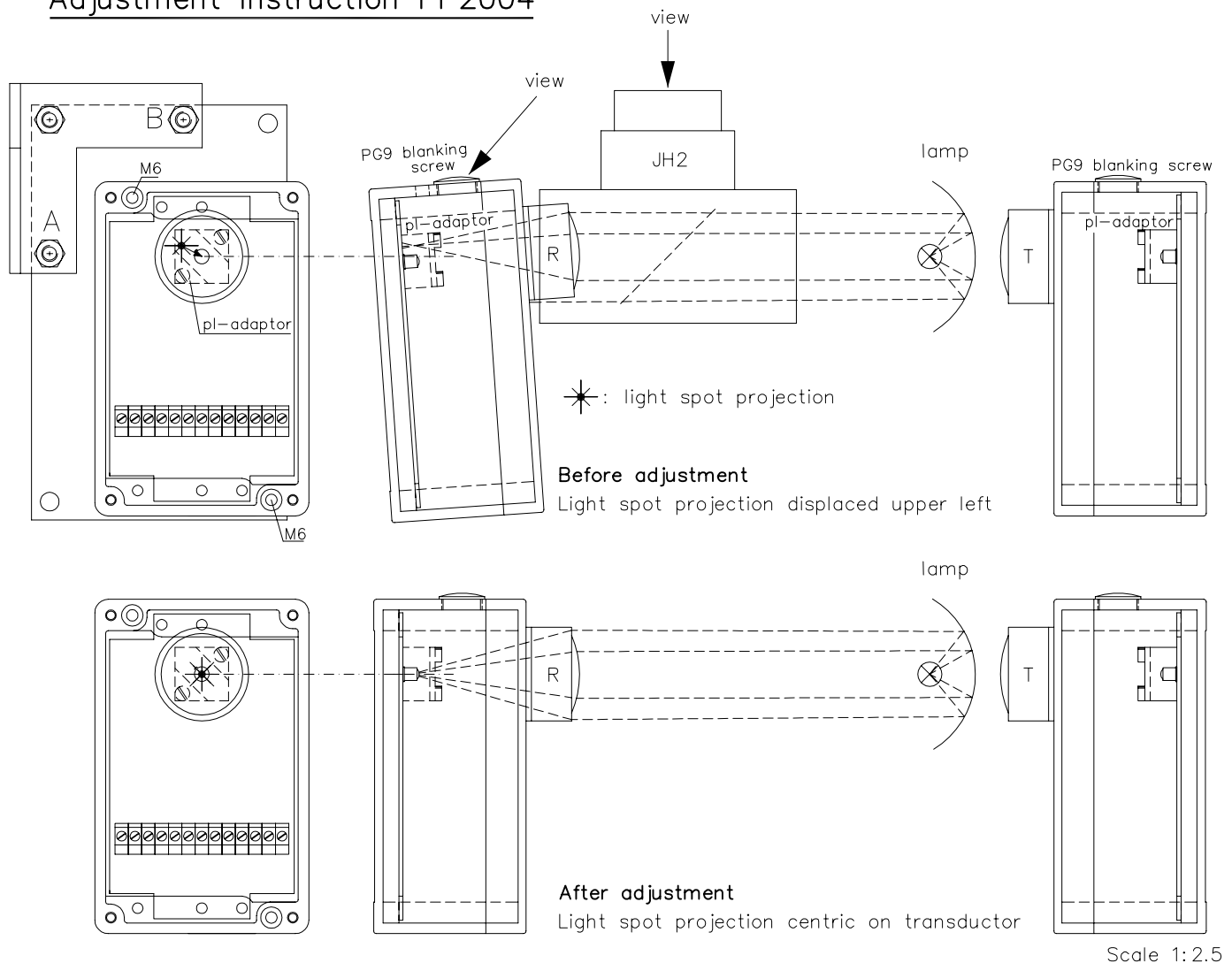


Adjustment Instruction PP2004



1. Mount transmitter and receiver in the desired locations.
2. Use the adjustment flange that belongs to the unit and tighten the adjustment spring to about 16 mm.
3. Make sure that there is no hindrance in the ray of the light barrier. This can be done in the following way: Place a strong lamp in front of the transmitter's optical system T and direct the ray to the receiver R. Ascertain yourself by watching from the optical system of the receiver in direction of the transmitter that the way of the ray is not blocked. If needed change the place of mounting.
4. If the place where it shall be fitted is very narrow you have to unscrew the light barrier. This may only be done by the two screws M6, the light barrier is fitted to the adjustment flange with. The adjustment flange stays mounted.
5. An eventual existing pl-adaptor has to be removed. This happens in the following way at the unit PP 2004:
 - a. Remove cover from transmitter and receiver.
 - b. Loosen the two screws M3 the pl-adaptor is fastened with and take the adaptor off.
 - c. Fasten the covers again.
6. Attach the transmitter to the adjustment flange again.
7. Place again a bright lamp that shows in direction of the receiver T

.If-silvered mirror being inside the adjustment aid.
Otherwise you look straight into the lamp. Fit the adjustment aid as close to

- the optics as possible (as shown at the drawing).
9. You have to bring likewise the visible luminous spot in the middle of the optical system. Do it by operating the two adjustment screws A and B. They are situated outside the adjustment flange diagonal to each other. Now the receiver is adjusted.
10. After this you have to adjust the transmitter. Lighten the optics of the transmitter with a bright lamp from the optical system of the receiver. Proceed in the same way as you have done for adjusting the receiver.
11. Don't forget to install the pl-adaptors after adjustment. Unscrew only the light barrier housing from the adjustment flange so that you don't lose the found adjustment.
12. If there is no JH2 available you are able to watch the luminous spot direct. For this remove the blanking screw PG9 and look through the unit. A small mirror that is held partly into the light beam enables you to have a look into the inner part of the unit. But therefore you need some practice.
13. It is also possible to adjust the unit with the remote indicator named "DIANA" (if available). Even in this case both - transmitter and receiver - have to be adjusted separate by watching the DIANA - LED's. (You need two people who are able to communicate wireless to adjust the transmitter). If all four DIANA - LED's flash up one of the optical systems has to be covered so far that the LED's are nearly off. From this status you are able to optimize again. When adjustment is finished, the cover must be removed. As this method works by measuring the input signals it can only be successful if already before the adjusting is started the receiver responds to signals of the transmitter.

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