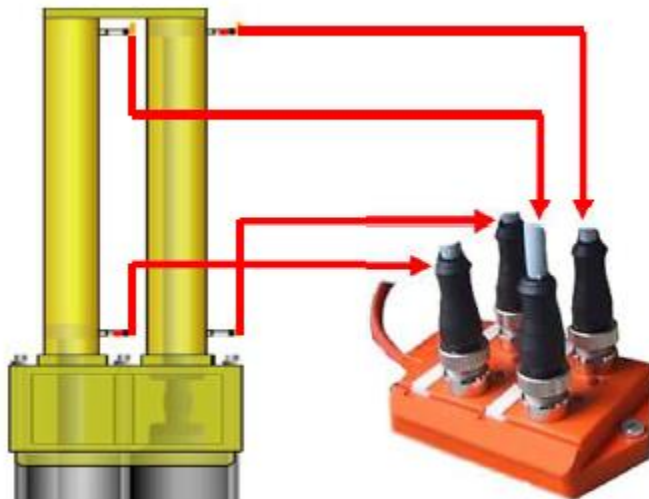


INFORMATION FOR OPERATORS Proximity / Magnetic limit Switch

Function: The proximity switch is responsible for 2 core functions:

- Reading the “end of stroke” position of the piston within the main hydraulic drive cylinders
- Sending the electrical signal to the distributor block

How it works: When powered up, the proximity limit switch will activate as soon as it comes within a close proximity to a metal object. It's position on the main hydraulic drive cylinder, ensures that the passing metal piston within the cylinder will activate the proximity. The switches position is securely located by tightening it into the locating holes at the top and bottom end of the drive cylinders. Once tightened into position, the switch will activate at the exact moment that the hydraulic piston is sensed.



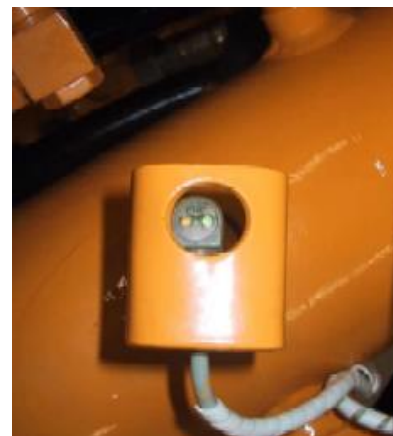
The activation of this proximity switch will instantly send an electrical impulse to the distributor block, which in turn will divert the signal back to the Ergonic Pumping system cabinet's CCU. As the input signal is received, the CCU will immediately send an output signal to the Hydraulic change over valve responsible for changing / alternating the direction of the stroke.

Maintenance Tips: Be sure to regularly check all proximity switches:

1. Power on the switch – this is indicated by a small green light on the top of the switch.
2. Activation on the switch – while pump is in operation activation is confirmed by a small orange light that will flash on the top of the switch each time it is activated.

In addition to this, check the distribution block regularly, ensuring all connecting cables are in good condition, and all LED'S are functional.

Watch the Putzmeister video below for a detailed explanation on how to check and maintain the proximity switches.



Health & Safety:

Since the magnetic proximity switches are responsible for “core” operational function in “signalling” the main hydraulic system, be sure to acquaint yourself with the Safety regulations outlined within section 2.9 of your Putzmeister operating instructions.

Relevant fault icons:

Should a fault occur on your Putzmeister Machine, the relevant fault icon will display as follows:

Ergonic 2 (radio remote display)



Ergonic 1 (EGD Display)



*Remember, that in most cases, should there be a complete electrical failure concerning the magnetic proximity switches – emergency operation is still possible to ensure that the machine can be cleaned out and recovered from the building site – please feel free to contact CPENZ and we will gladly assist you.

Link to Putzmeister Proximity Switches Maintenance Video - This 2-minute video has information on how to maintain and check your proximity switches

<https://www.youtube.com/watch?v=o1S2lky6r6g>

Disclaimer: While we have made every attempt to ensure the information contained in this article has been obtained from reliable sources, CPENZ is not responsible for any errors, omissions, or for the results obtained from this information.

Our experienced team at CPENZ are here to help. We run detailed training courses at your premise, on your pump tailored to your requirements. These can cover:

- Operating your pump
- Health & Safety when using your pump
- Trouble-shooting
- Maintenance
- Servicing.

[CLICK HERE](#) to let us know what type of training you're wanting or contact Kelly on 0276576444 or kelly@cpenz.co.nz for more information.