



Instruction Manual

Plunger Pot

PLP-005/105/115

Contents

Section	Page	Section	Page
1. Introduction.....	2	4. Mounting.....	3
2. Dimensions	2	5. Electrical	3
3. Connections	2	6. Service	3

1. Introduction

This is a 5K plunger operated pot, which is commonly used in foot pedal assemblies.

2. Dimensions

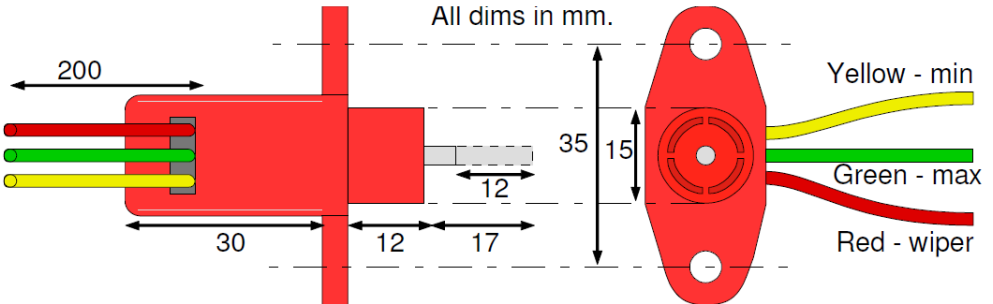


Figure 1: Plunger Pot

Plunger travel is 12mm, with an internal spring to push the plunger out.

3. Connections

Wiring diagrams in all 4QD manuals show the pot wiring with red, blue and green wires.

Plunger Pot	4QD Controller	Function
Green	Red	Pot maximum [top]
Red	Blue	Wiper
Yellow	Green	Pot minimum [0]

Caution: the colours do not follow the convention used across all 4QDs controllers. When the plunger is fully out, red connects to yellow. When fully in, red connects to green.

Note that the wires are too thick to be directly connected to the IDC connectors used on our drives. If used with the IDC the tines of the connector are forced apart and can short out to each other.

A CONI connector can be used to prevent this problem.

4. Mounting

Beware: if using the pot in a foot control, excessive pressure on the plunger can break the back of the pot. A separate mechanical travel stop must be fitted.

5. Electrical

The potentiometer is a 5K pot and will work with any 4QD controller.

6. Service

The Plunger Pots are very reliable, and have no serviceable parts inside so cannot be repaired.

Warranty

All our products have a warranty against defective manufacturing for 12 months from the date of shipment. The warranty doesn't cover damage caused by incorrect installation.