

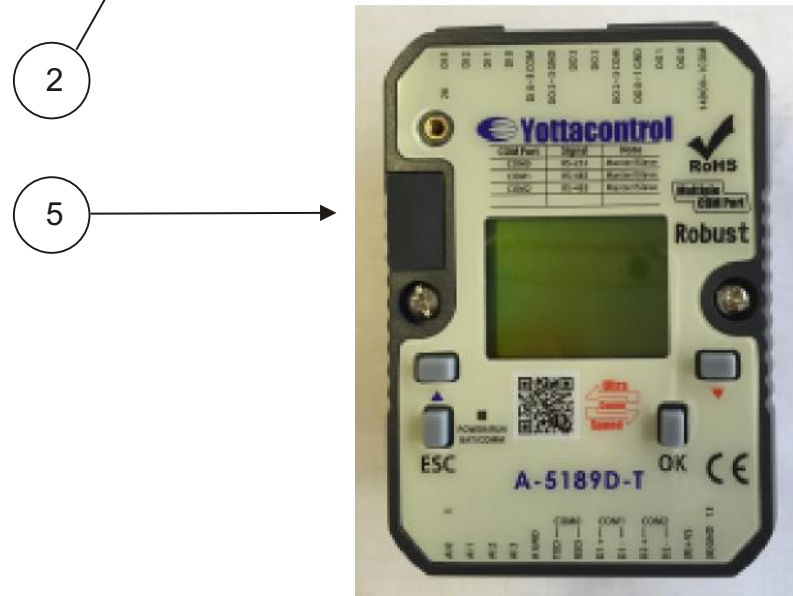
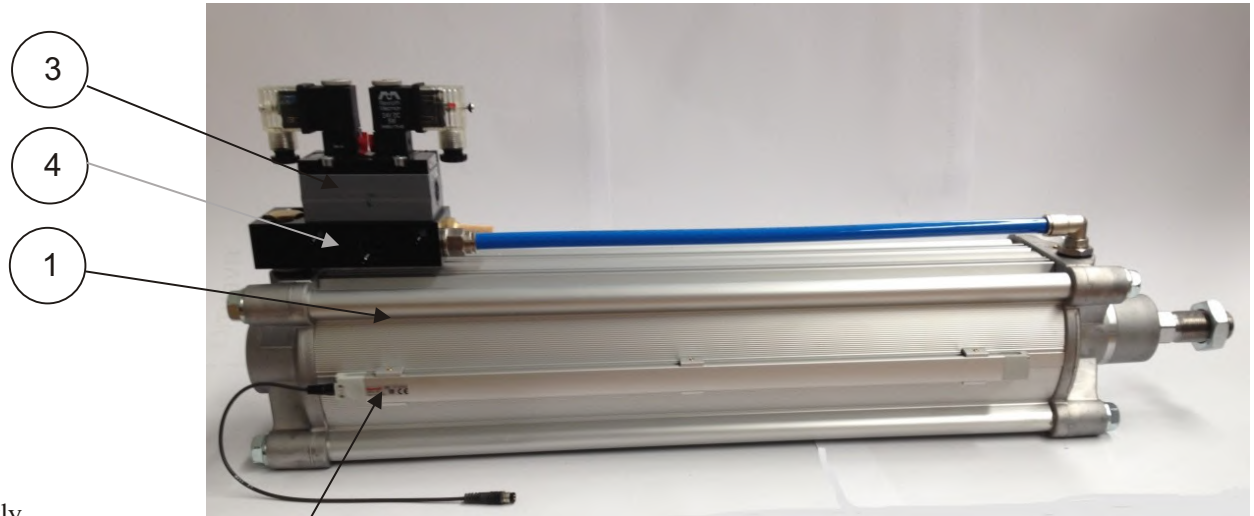
Cylinder Positioning System

Introduction

The system consists of a pneumatic cylinder (1) fitted with a non contact position sensor mounted on the outside.(2)
A current or voltage signal is generated by the sensor to give the actual position of the cylinder rod. ie., 4..20mA (or 0..10V) corresponds to a fully retracted ... fully extended rod.

A pneumatic control valve (3) is mounted directly onto the cylinder via a subplate to extend or retract the rod.
A single regulated air pressure supply (>6 Bar) is connected directly to the subplate at Port 1 - G3/8" (4), providing a simple and compact installation.

The PAE-CPS-1 Controller (5) is programmed to actuate the control valve extend or retract solenoids in response to a command signal, which can be either a 4..20mA or 0..10V.
The actual position signal from the position sensor is used to regulate the cylinder position to track the command value.
(Note that the command and actual position signals must be of the same type, either 4..20mA or 0..10V)



PAE-CPS-1

Description

05/15

