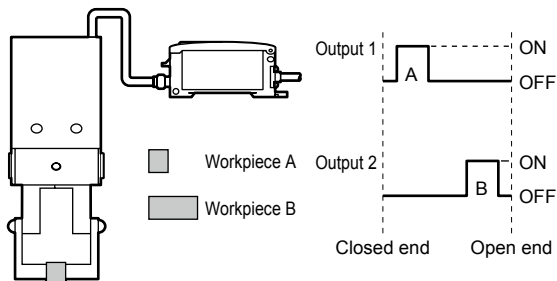


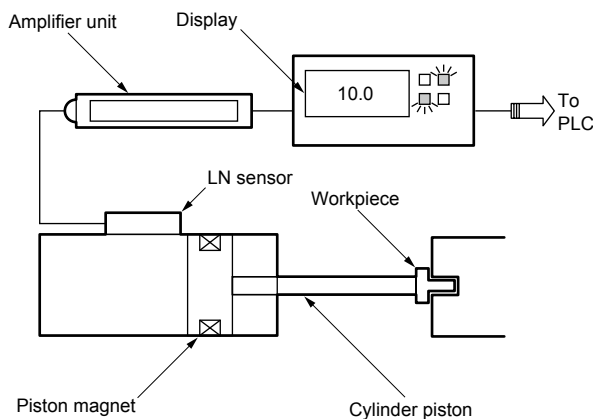
Applications

1 Determination of differently shaped workpieces



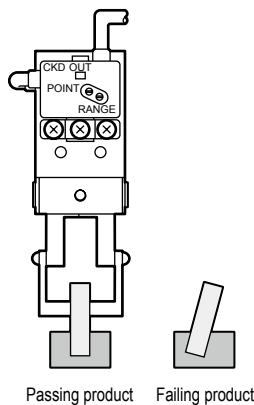
Workpieces A and B are of different sizes. To clarify which workpiece is gripped, 1 is to be output when A is gripped and 2 output when B is gripped. When using switch, settings are made easily with the trimmer on the length measuring sensor's amplifier unit. Display of switch outputs are digitally set with buttons. The trimmer can change the operation point and range, so signals for each A and B workpiece can be output if a narrow movement range is set, and workpieces can be judged on the load side (example: PLC). In addition, for the analog output, analog output will change in accordance with the size of the workpiece. Hence control is possible by reading these changes into the PLC.

2 Press fit of workpiece



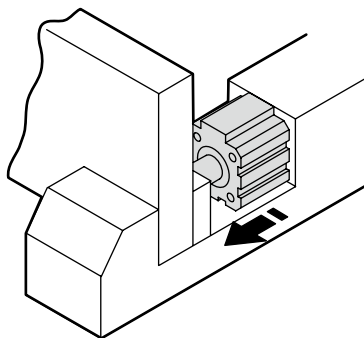
Using a length measuring sensor with the compact cylinder allows inspection of workpiece press-fitting with the length measuring sensor's output while the workpiece is press-fitted with the cylinder. When using a display, the thickness of the workpiece can be measured at the display section. By reading the determined signal into the PLC, the line can be automated. For the cylinder, the limited measured range length is set at the factory to match the user's required detection position, allowing the system to be used by simply connecting the wiring.

3 Confirmation of workpiece gripping orientation



It can be used to check whether the workpiece is gripped at the correct orientation. A narrow movement range is set so that it turns ON only at normal workpiece gripping orientation.

4 Confirmation of clamping



Clamping is controlled by retrieving the cylinder piston stop position as length measuring sensor output.