



This function block makes it easy to implement hot stamping and similar application with a minimum of programming.

Application Description

Stamping applications generally force a die, often heated, into a material to form an impression. In a typical cycle the die moves down rapidly until just before it reaches the material. It then moves down at a slower speed until a required pressure is reached. It then dwells for a fixed period of time, often moving down a small amount during the dwell to compensate for the continued deformation of the material. Finally the die returns rapidly to the starting position.

Function Block

The function block provides inputs to configure the cycle profile in a highly flexible manner. It also provides outputs to indicate when each step of the profile is complete and whether the target pressure was reached. It also provides an out put to indicate when the die is clear of the material on the return, or up, stroke so the material can be indexed into place for the next cycle.

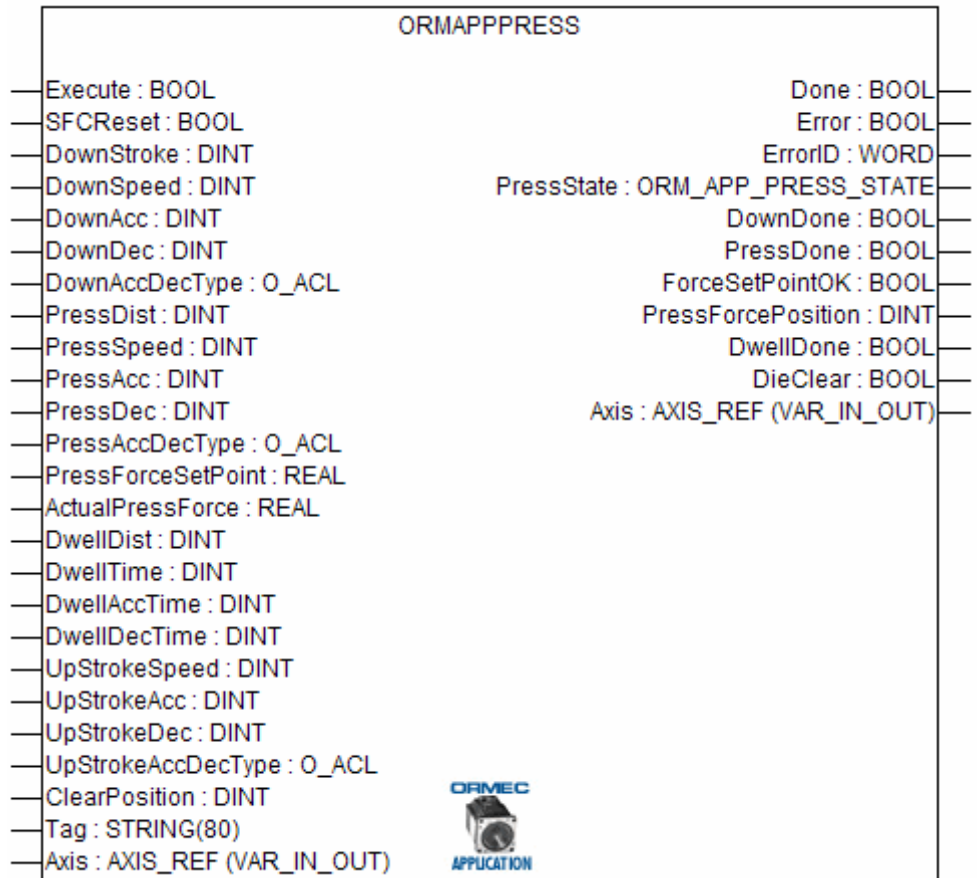


Figure 1: OrmAppPress Function Block

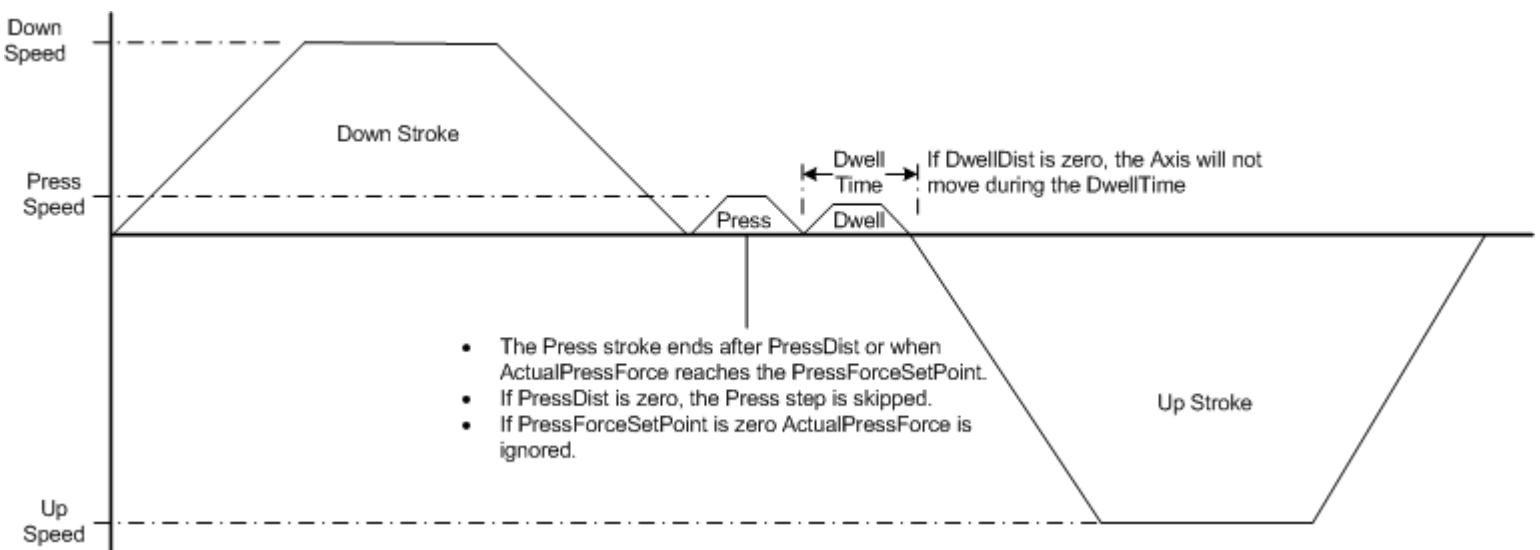


Figure 3: Cycle Profile