



My function application

Hoist application 1

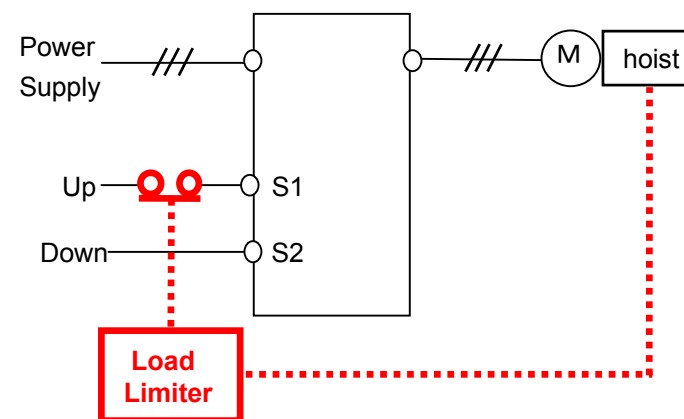
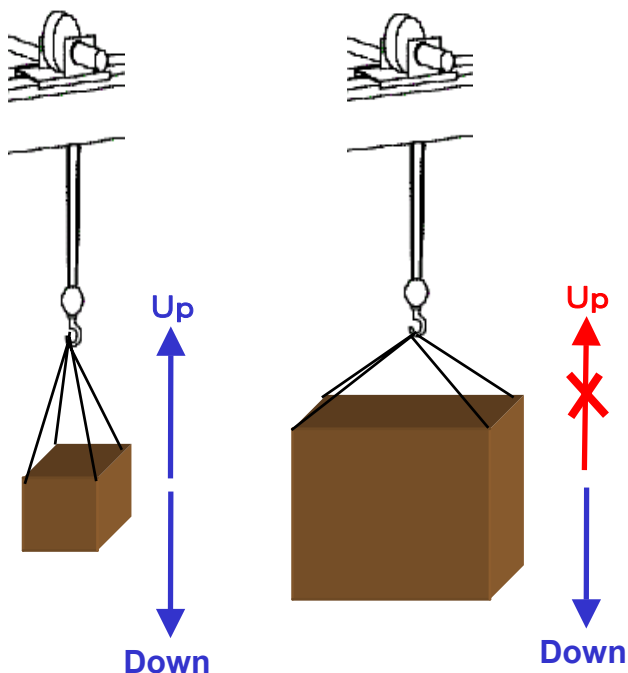
TOSVERT
VF-AS1
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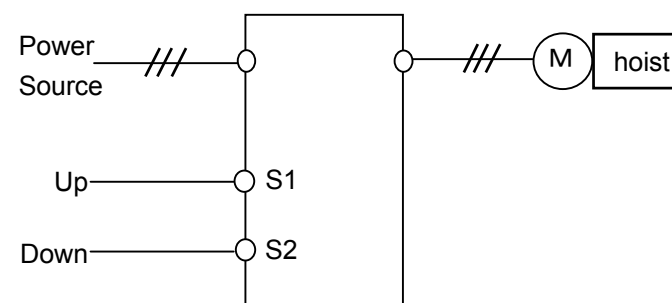
Like as load-limit function that is for lift application

The function is

1. Detect over load condition.
2. Stop by automatically.
3. Available only down operation.

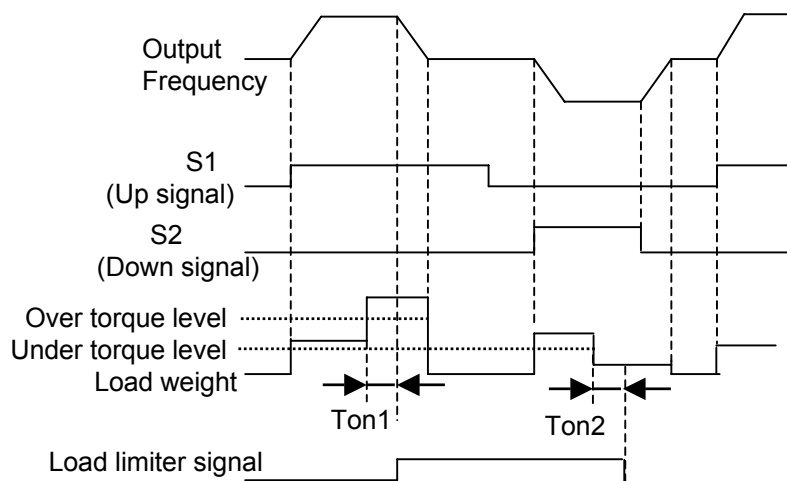
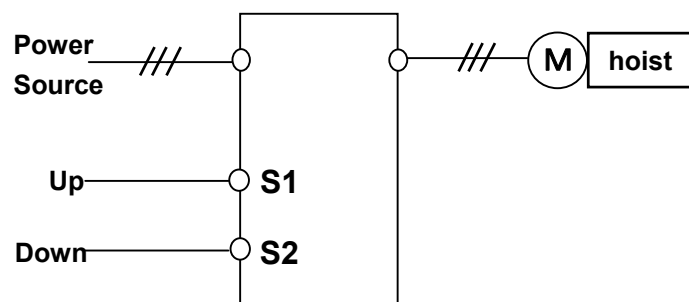


↓ My function

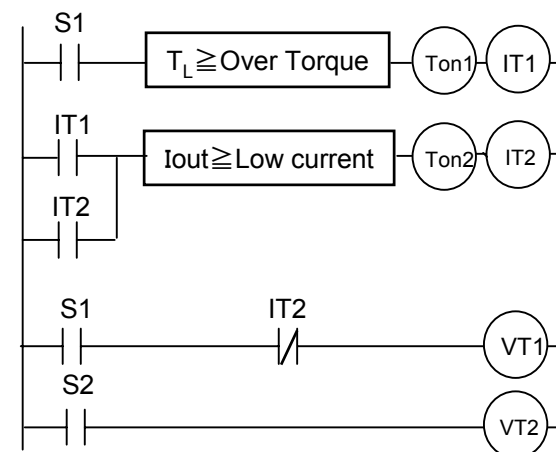


Hoist application 1

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< Timing chart >



S1 (Input terminal) : Up signal
 S2 (Input terminal) : Down signal
 IT1 (Internal terminal) : Load limit detection
 IT2 (Internal terminal) : Reset to load limit
 VT1 (Virtual terminal) : Forward run command
 VT2 (Virtual terminal) : Reverse run command
 T_L (Output torque) : Output torque
 Ton1(ON timer) : Load limit detection time
 Iout (Output current) : Motor current
 Ton2 (ON timer) : ON Timer

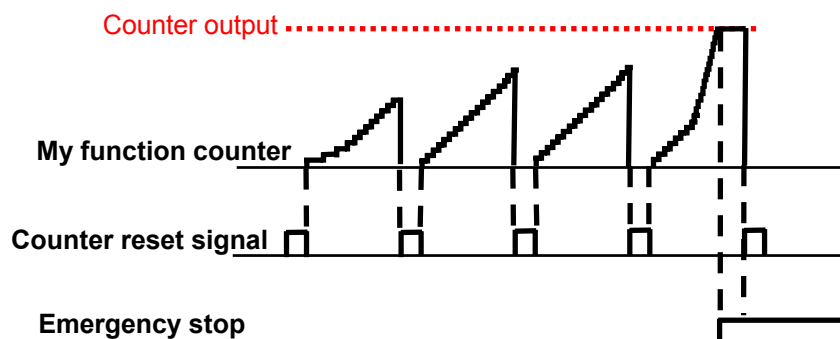
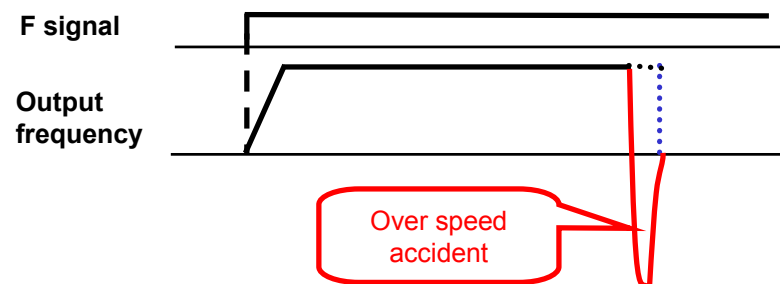
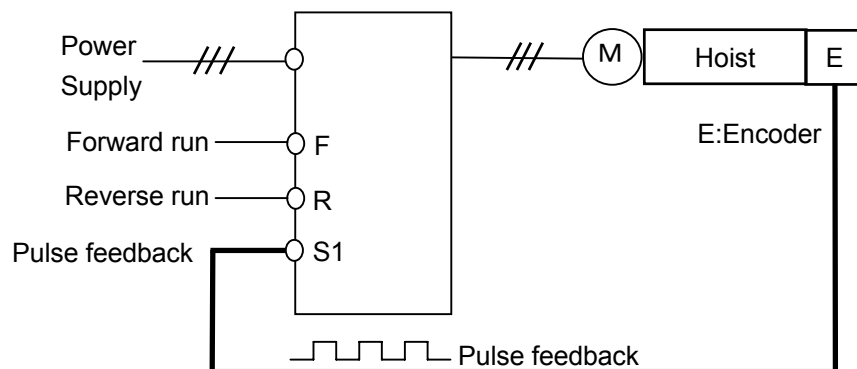
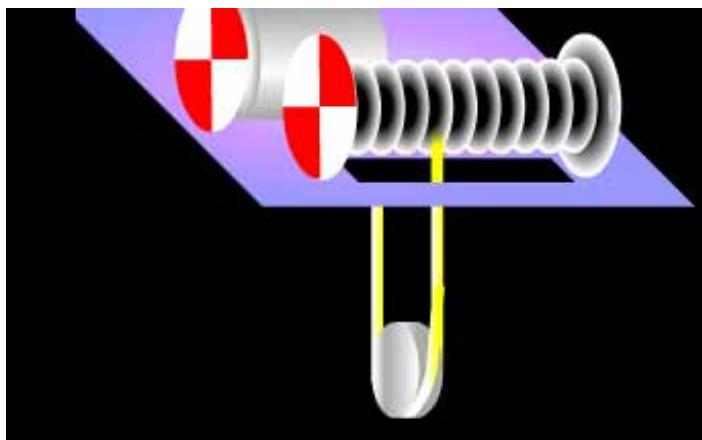
< My function ladder chart >

Hoist application 2

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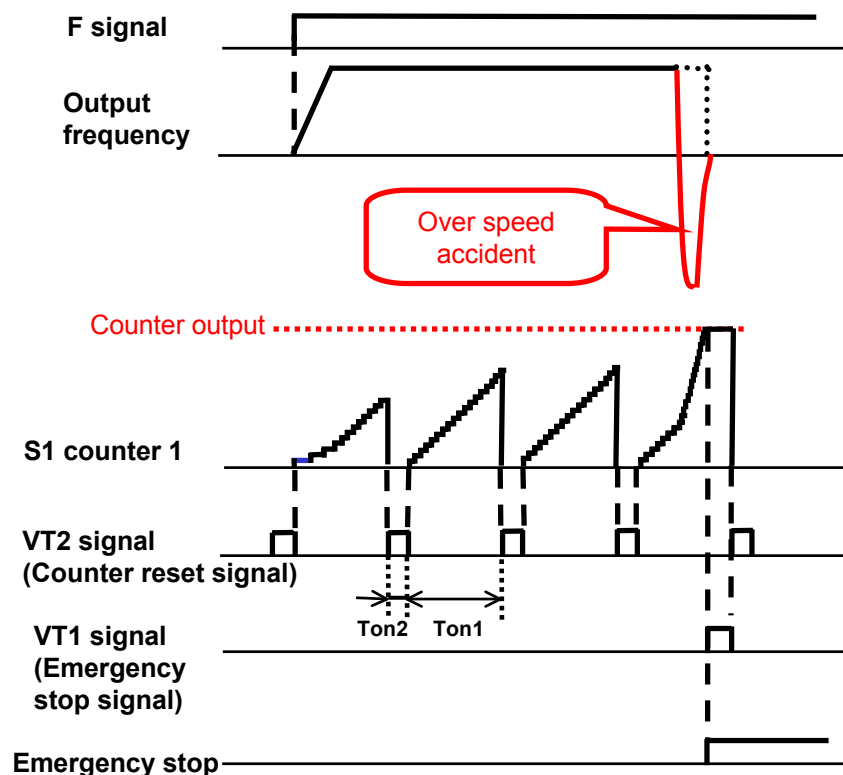


The Overspeed detection by My function

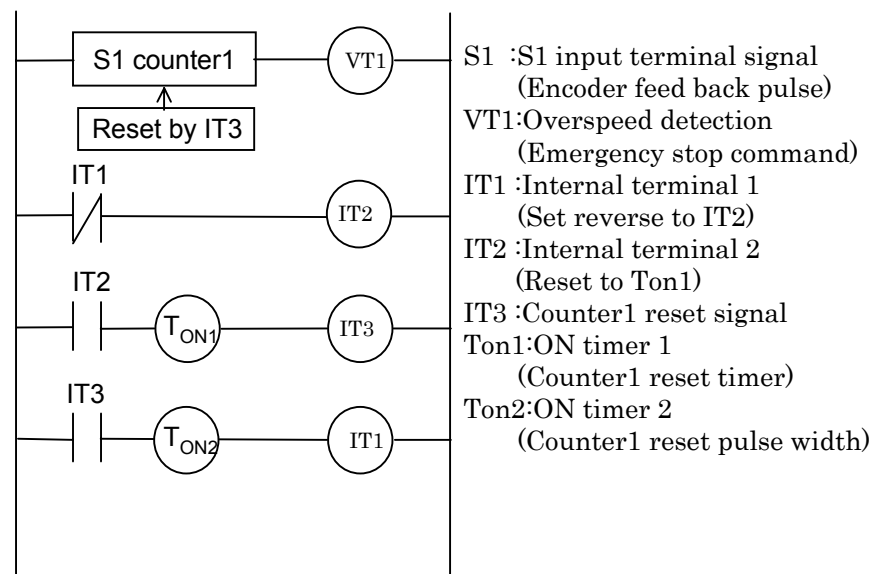
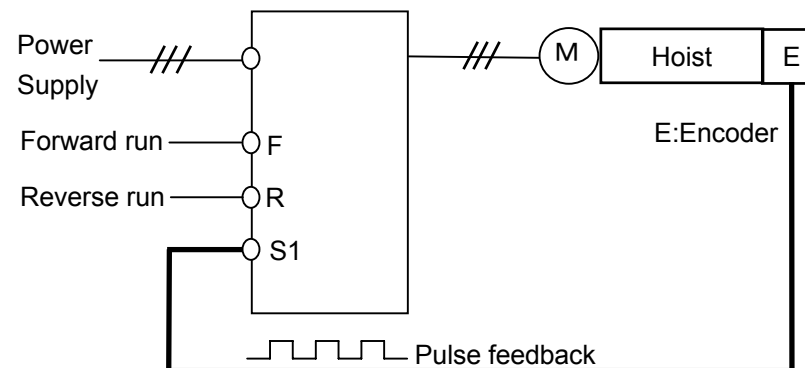


Hoist application 2

TOSVERT
VF-AS1
Flexible for you



< Timing chart >



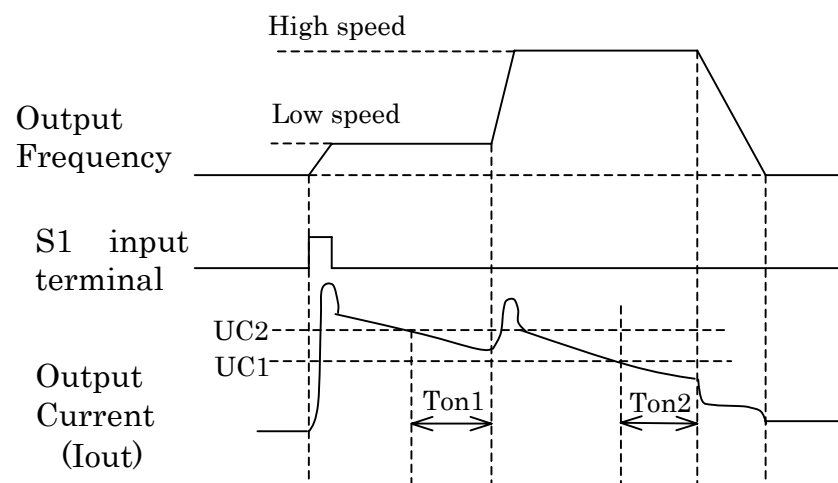
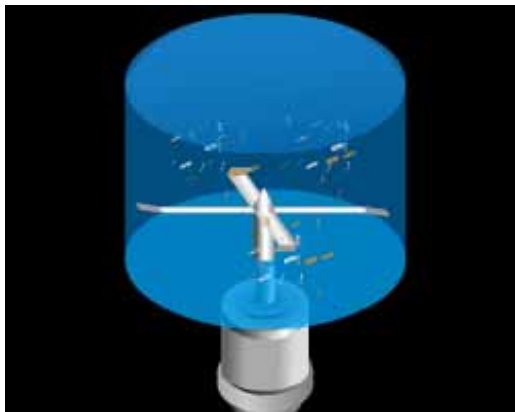
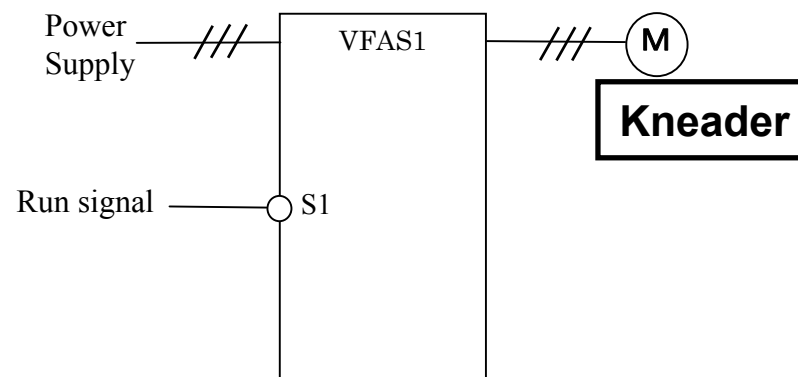
< My function ladder chart >

Kneader application

TOSVERT
VF-AS1
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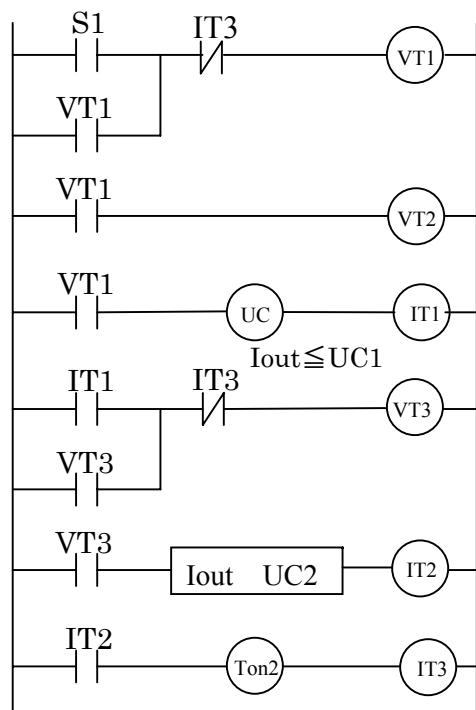
1. Start at lower speed.
2. Switch the high speed when the viscosity of load will be set value.
3. Stop when load value reach finished value.



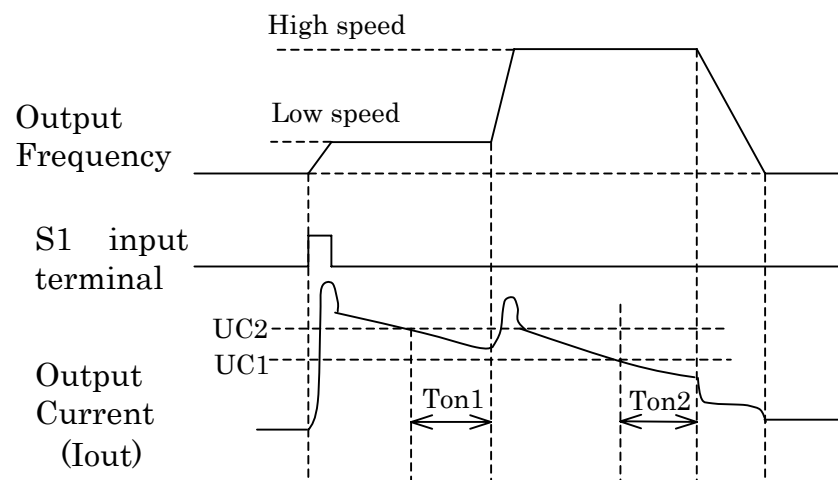
< Timing chart >

Kneader application

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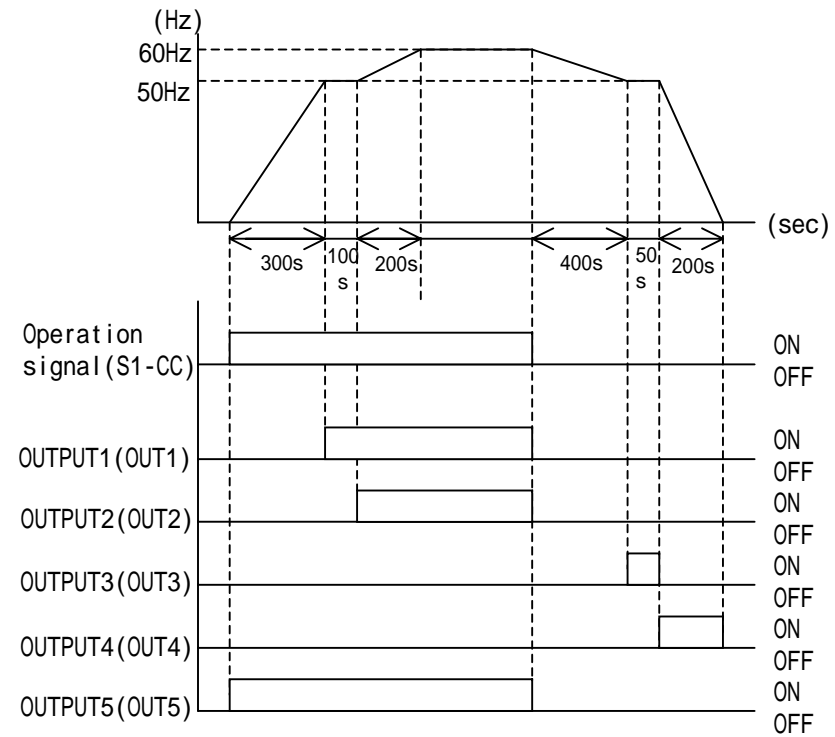
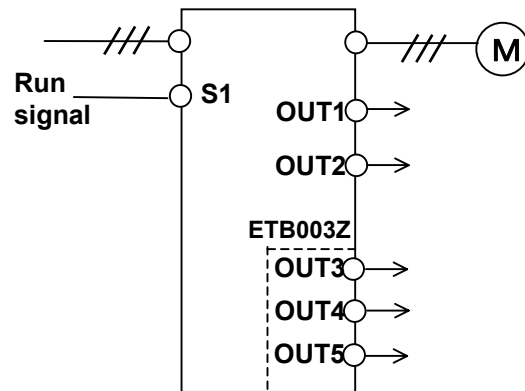
< My function ladder chart >



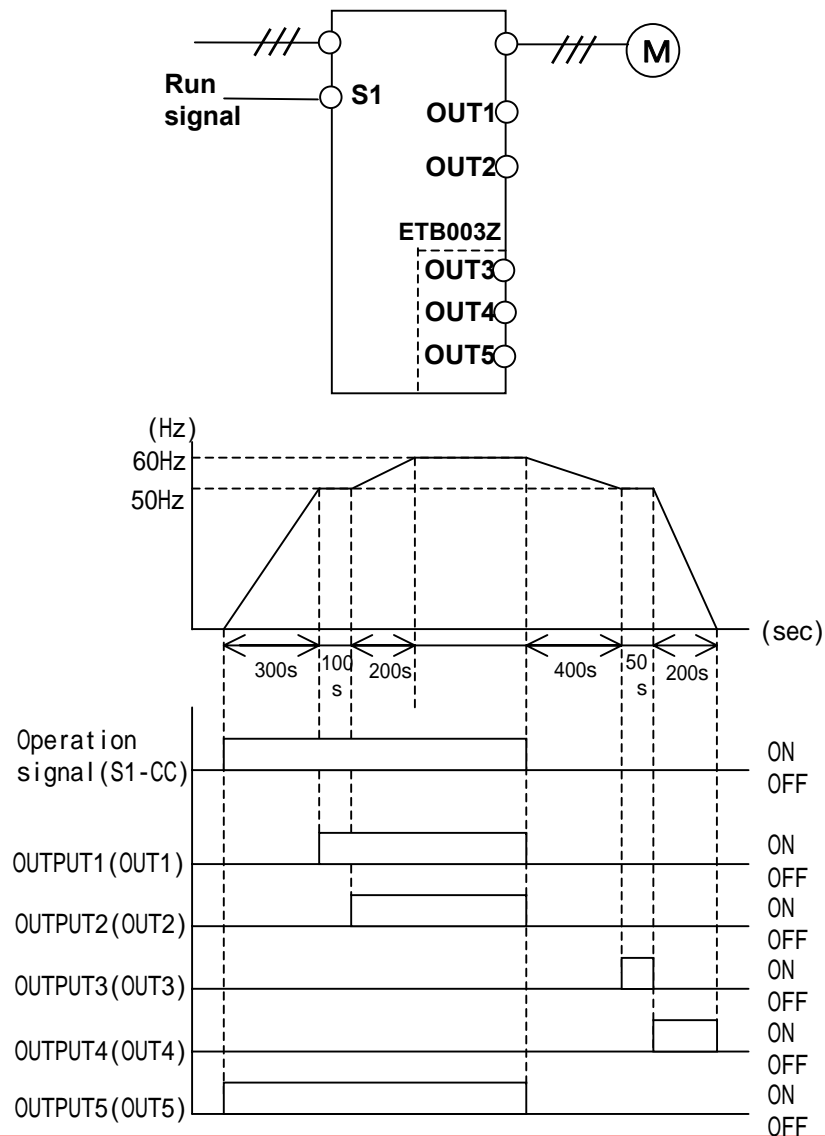
S1 (Input terminal) : Start signal
 IT1 (Internal terminal) : Start signal to high speed running
 IT2 (Internal terminal) : Detection signal for UC2
 IT3 (Internal terminal) : Stop signal
 VT1 (Virtual terminal) : Preset speed 1 command (Low speed)
 VT2 (Virtual terminal) : Forward operation signal
 VT3 (Virtual terminal) : Preset speed 2 command (High speed)
 UC (Low current alarm) : Low current alarm function
 Iout UC 1 and Timer (Ton1)
 Iout (Output current) : Load current
 Ton2 (ON Timer) : ON Timer

Centrifugal application

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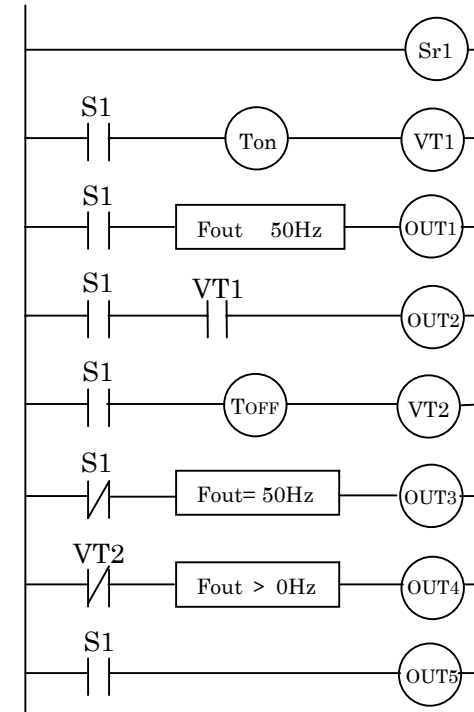


Centrifugal application



TOSVERT
VF-AS1

Flexible for you



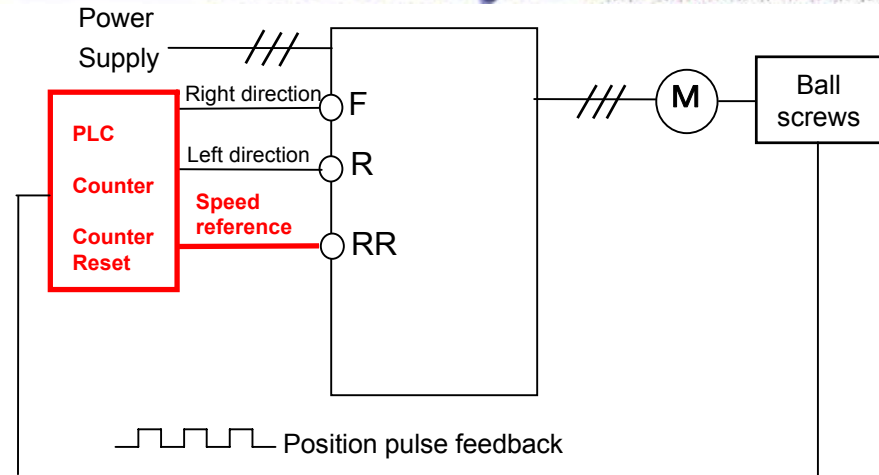
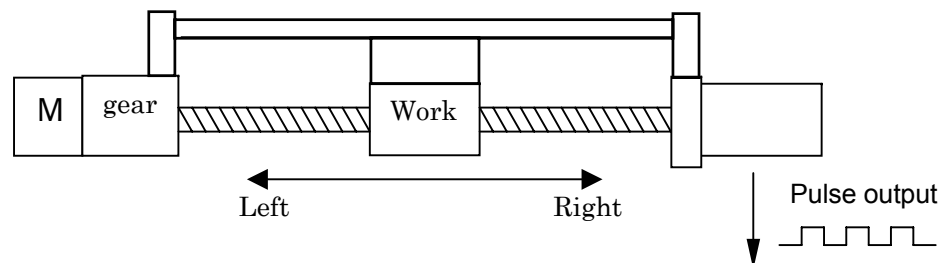
S1 : S1 input terminal signal
VT1 : Preset speed 2 operation
VT2 : Forward operation
Ton : ON timer (400s)
Toff : OFF timer (450s)

OUT1 : Output signal 1
OUT2 : Output signal 2
OUT3 : Output signal 3
OUT4 : Output signal 4
OUT5 : Output signal 5
Sr1 : Preset speed 1 operation
F : Forward operation
Fout : Output frequency

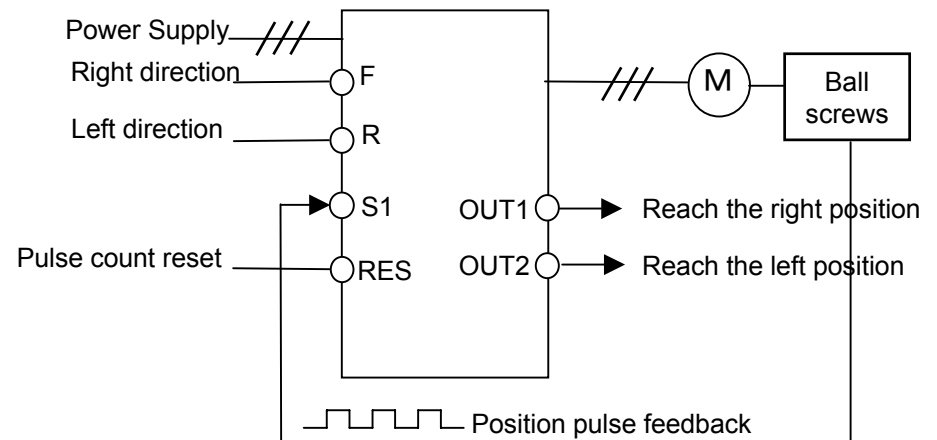
Ball screws application

Positioning control for ball screw application (reciprocation).
Automatically control by pulse count.

1. High speed
2. Creep speed run
3. Stop

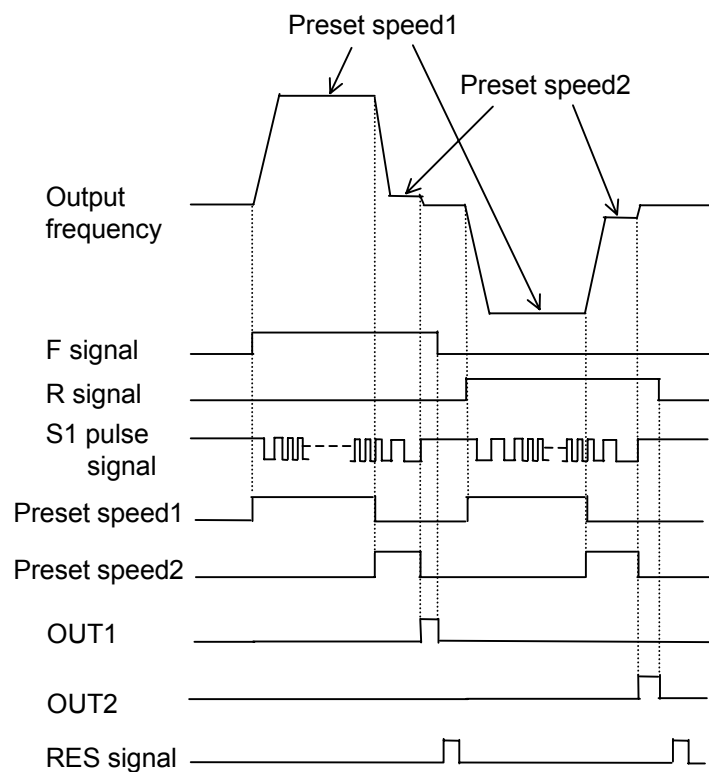


My function

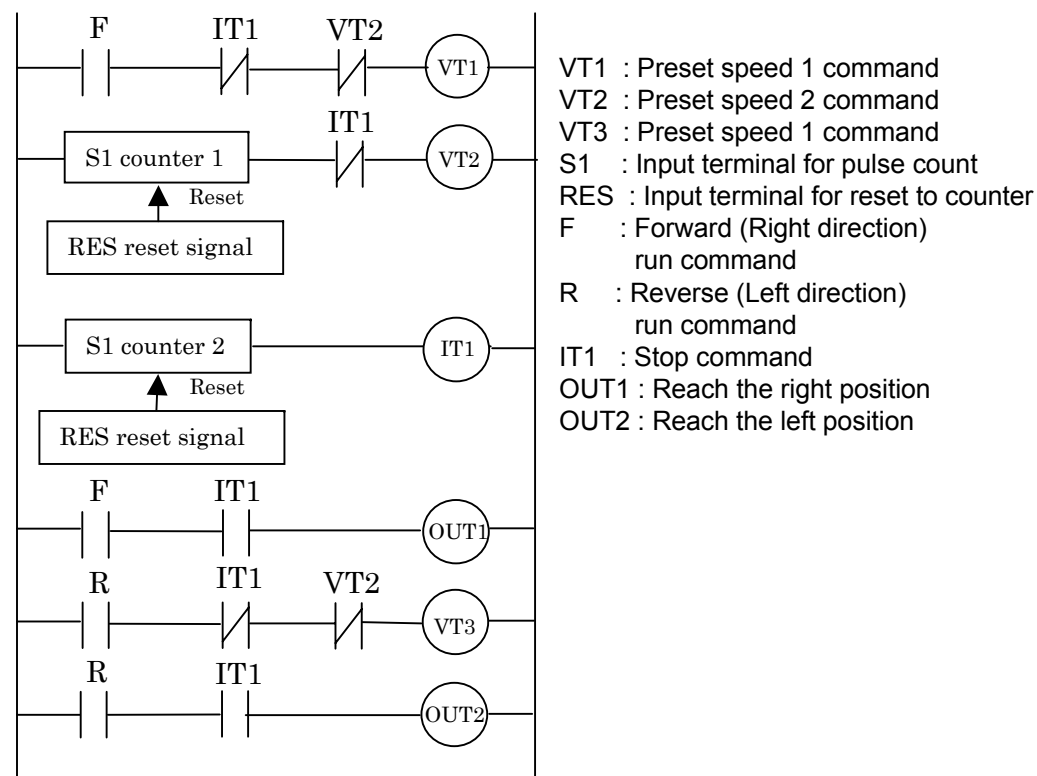


Ball screws application

TOSVERT
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Flexible for you



< Timing chart >



< My function ladder chart >

Conveyer application

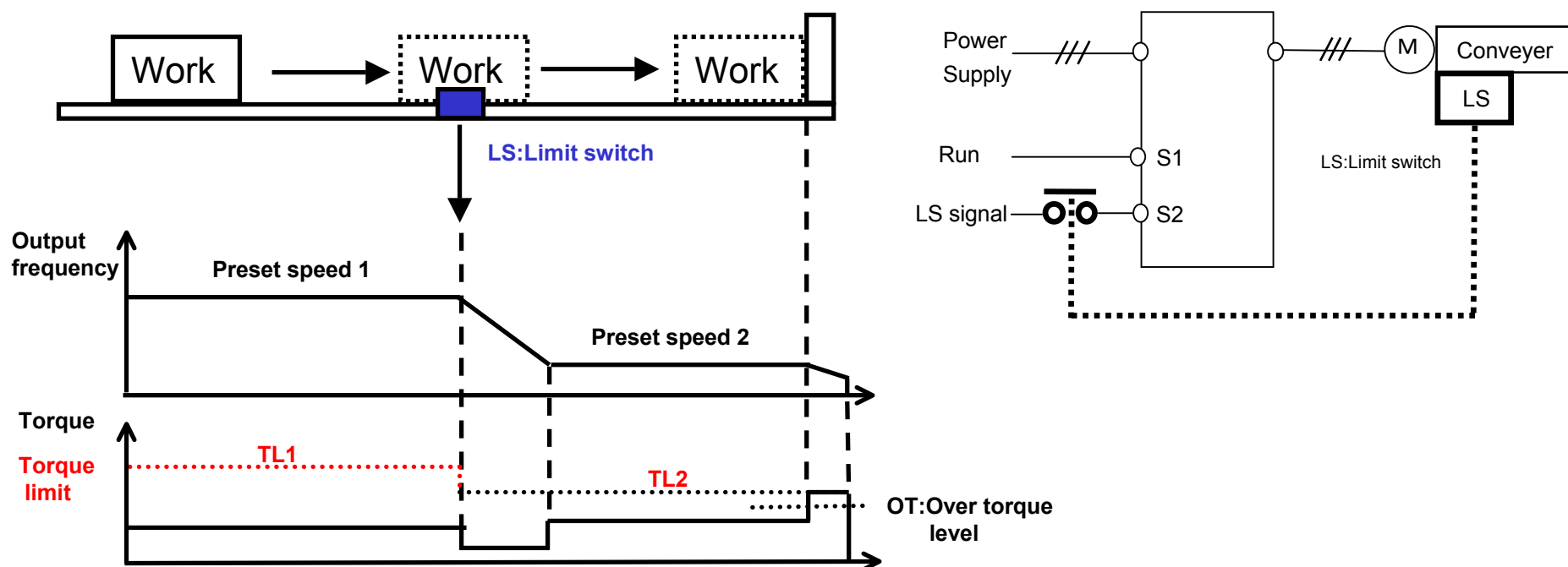
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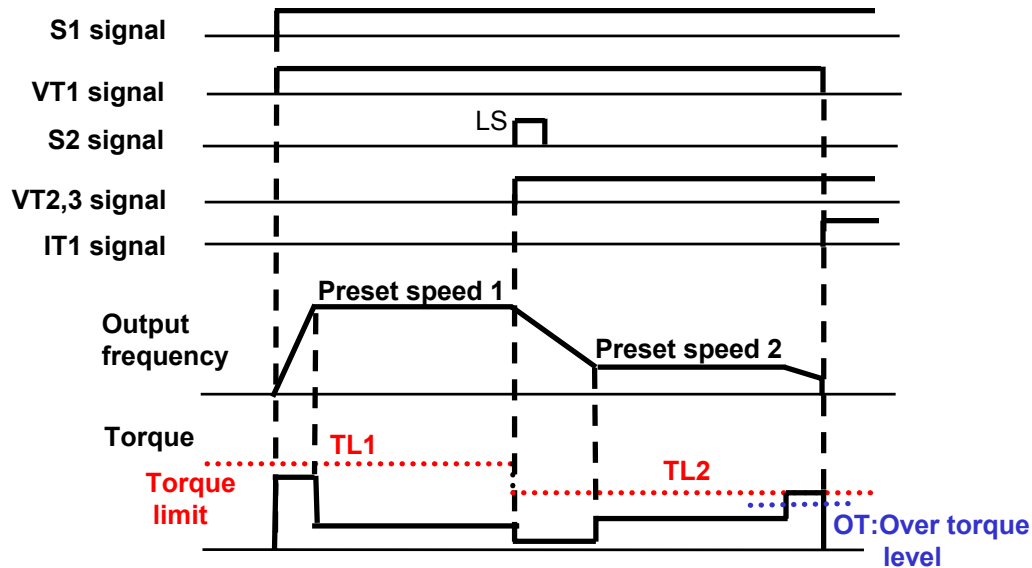
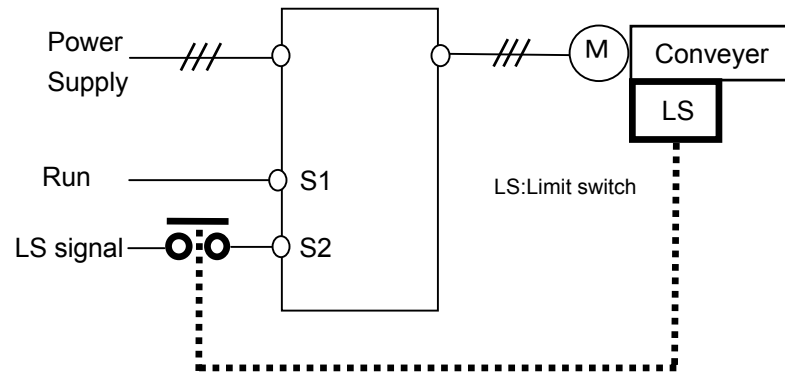
Snap stop control:

Switch the 'Torque limit control' and 'creeping speed' when 'Work' reaches 'LS' position.

When 'Torque limit control' is enabled, 'RUN' signal will be OFF by 'torque alarm'.

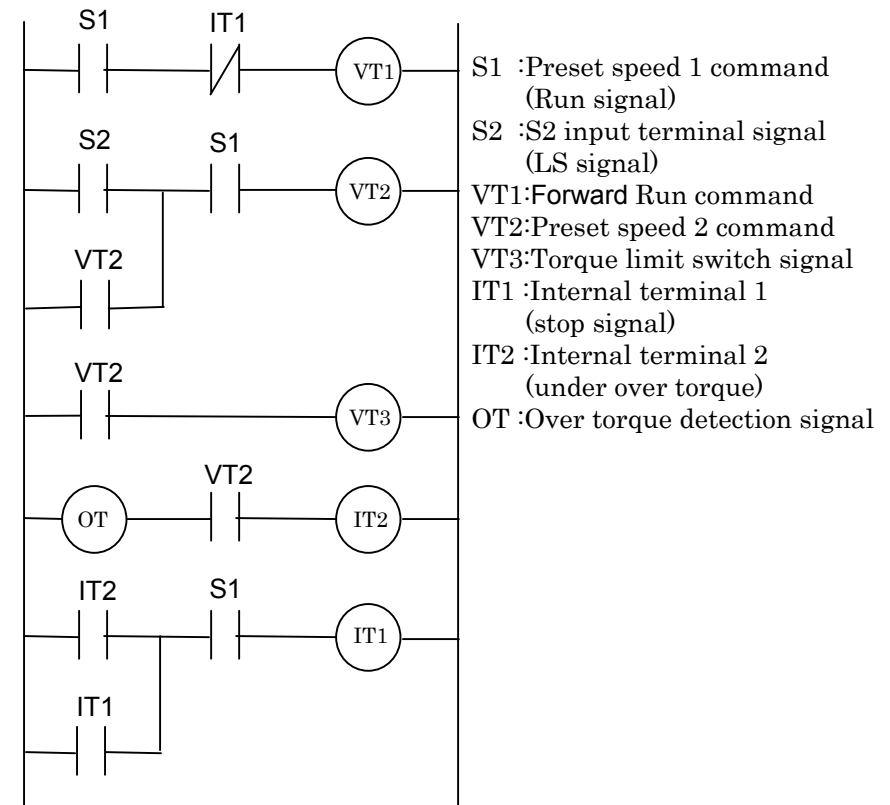


Conveyer application



< Timing chart >

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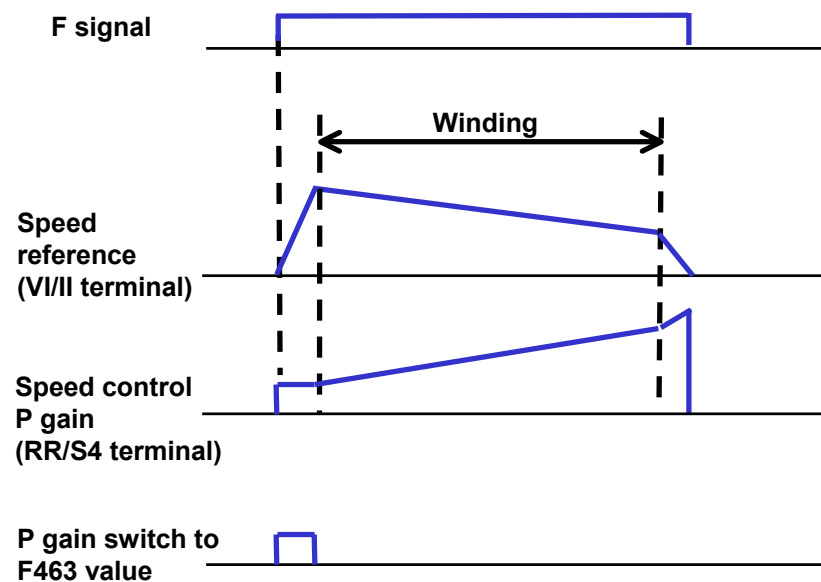
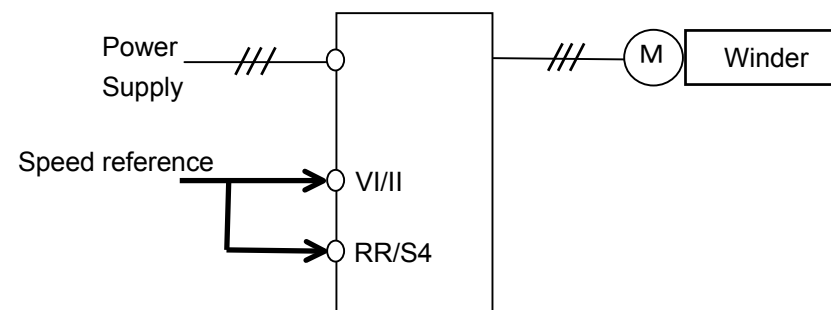
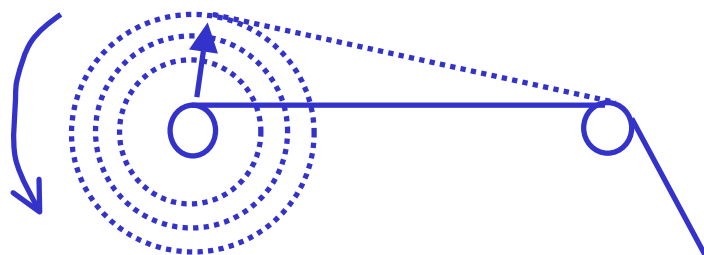
< My function ladder chart >

Winder application

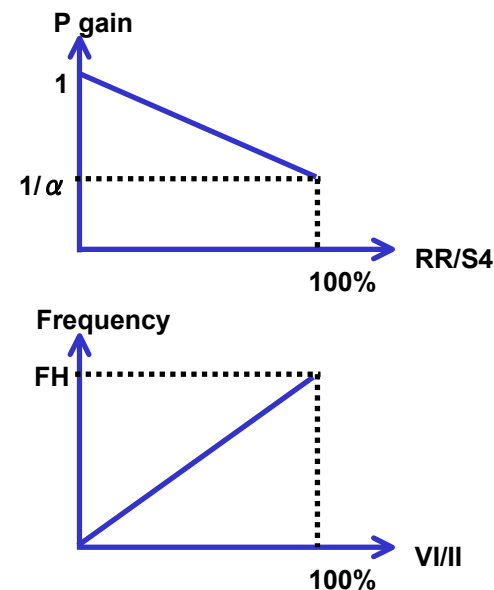
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Automatic control with P gain by My function



< Timing chart >



< Analog input characteristic >