

Current State	Input	Message published to thrown topic	Message published to closed topic	Message published to mid point topic	New State	Notes
Undefined	Move to THROWN	INACTIVE	INACTIVE		Moving towards THROWN	Servo starts moving towards THROWN.
	Move to CLOSED	INACTIVE	INACTIVE		Moving towards CLOSED	Servo starts moving towards CLOSED.
THROWN	Move to THROWN	INACTIVE	INACTIVE		Moving towards THROWN	Servo would not normally move.
	Move to CLOSED	INACTIVE	INACTIVE		Moving towards CLOSED	Servo starts moving towards CLOSED.
Moving towards CLOSED	Move to THROWN	INACTIVE	INACTIVE		Moving towards THROWN	Servo reverses direction.
	Move to CLOSED	INACTIVE	INACTIVE		Moving towards CLOSED	No state change.
	Reached mid point	INACTIVE	INACTIVE	ON	Moving towards CLOSED	No state change.
	Reached CLOSED	INACTIVE	ACTIVE	ON	CLOSED	Servo stops moving.
CLOSED	Move to THROWN	INACTIVE	INACTIVE		Moving towards THROWN	Servo starts moving towards THROWN.
	Move to CLOSED	INACTIVE	INACTIVE		Moving towards CLOSED	Servo would not normally move.
Moving towards THROWN	Move to THROWN	INACTIVE	INACTIVE		Moving towards THROWN	No state change.
	Move to CLOSED	INACTIVE	INACTIVE		Moving towards CLOSED	Servo reverses direction.
	Reached mid point	INACTIVE	INACTIVE	OFF	Moving towards THROWN	No state change.
	Reached THROWN	ACTIVE	INACTIVE	OFF	THROWN	Servo stops moving.