

RPS® Select Gear Driven Sprinkler Setting Instructions

NOTE: The RPS Select is factory preset with a 180° arc setting, and includes a pre-installed #2 nozzle.

NOZZLE SELECTION

The RPS Select is designed to conserve water by matching the flow rate to the arc. The following settings are recommended:

ARC	NOZZLE
40° to 135°	Use #1 Nozzle
136° to 225°	Use #2 Nozzle
226° to 315°	Use #3 Nozzle
316° to 360°	Use #4 Nozzle

TO SELECT NOZZLE:
Insert Adjustment Key (I)
into Nozzle Selector (B)
and turn to desired nozzle.

SETTING THE ARC ADJUSTMENT

NOTE: The RPS SELECT Gear Driven Sprinkler has a fixed right start and an adjustable left stop.

1 ► POSITIONING NOZZLE TURRET TO ITS “RIGHT START”

Place your fingers on the top center of the nozzle turret (G). Rotate the turret counter-clockwise to the left stop to complete any interrupted rotation cycle. Rotate the nozzle turret clockwise to the right start. This is the fixed side of the arc. The nozzle turret must be held in this position for arc adjustments. The right start does not change.

2 ► ADJUSTING THE RIGHT (FIXED) SIDE OF ARC

If the right side of the arc is not properly aligned, the sprinkler may spray areas not intended for watering such as driveways or adjacent properties. The right side arc can easily be realigned.

OPTION 1: REPOSITION CAN ON THE FITTING

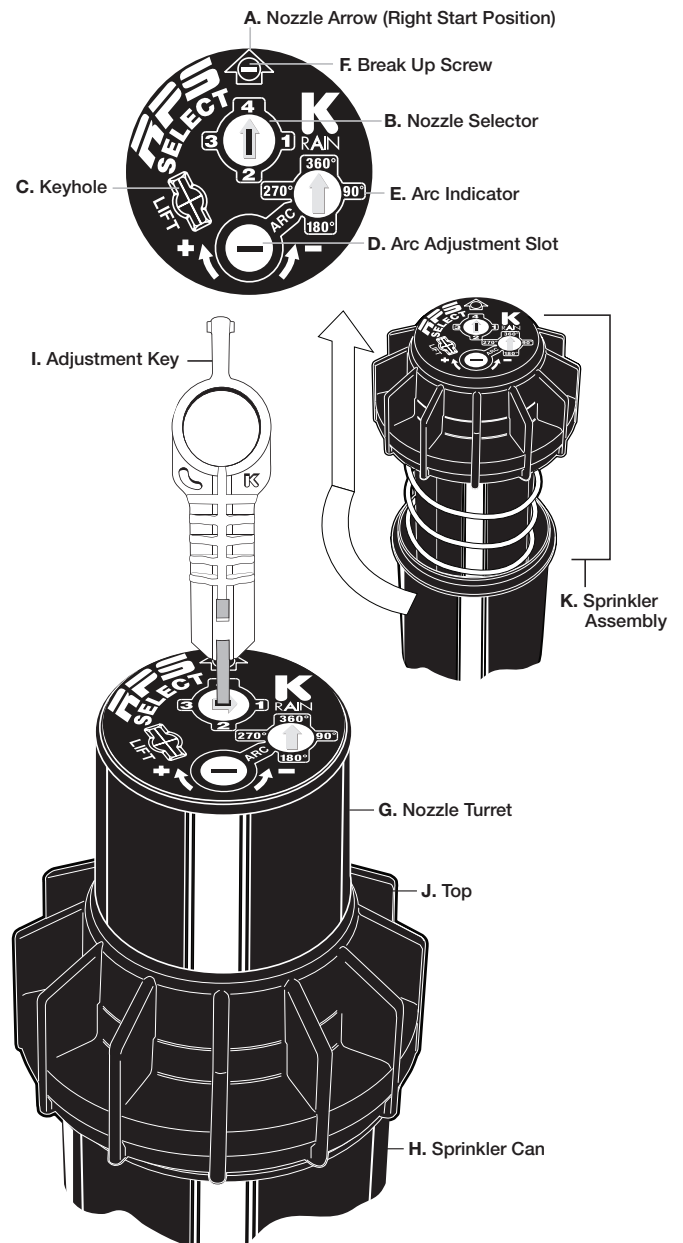
Turn the sprinkler can (H) left or right to the desired position. This may require temporary removal of the soil around the sprinkler to allow you to grip the sprinkler can.

OPTION 2: REMOVE INTERNAL RISER ASSEMBLY AND REPOSITION

Unscrew the top (J) counter-clockwise and remove the Sprinkler Assembly (K) from the can. Once removed with nozzle turret (G) at its right start, reposition the sprinkler assembly so that nozzle arrow (A) points to the desired start position. Replace the sprinkler assembly back in the can and screw on the top. At this point you have realigned the right arc start, and you can adjust the left arc to your desired setting.

ADJUSTING THE LEFT (VARIABLE) SIDE OF ARC SETTING THE ARC

Insert Adjustment Key (I) into the arc adjustment slot (D). While holding the nozzle turret (G) at the right start, turn the Key (I) until the Arc Indicator (E) shows the desired radius.



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SPRINKLER INSTALLATION

1 ► INSTALL AND BURY

Do not use pipe dope. Thread the sprinkler on the pipe. Bury the sprinkler flush with the ground. **NOTE:** Gear driven sprinklers and pop-up sprays should not be installed on the same watering zone.

2 ► INSPECTING THE FILTER

Unscrew the top (J) and lift complete sprinkler assembly (K) out of can (H). The filter is located on the bottom of sprinkler assembly and can be easily pulled out, cleaned and re-installed.

3 ► WINTERIZATION TIPS

When using an air compressor to remove water from the system please note the following:

- a. Do not exceed 30 PSI.
- b. Always introduce air into the system gradually to avoid air pressure surges. Sudden release of compressed air into the sprinkler can cause damage.
- c. Each zone should run no longer than 1 minute on air. Sprinklers turn 10 to 12 time faster on air than on water. Over spinning rotors on air can cause damage to the internal components.

PERFORMANCE DATA

NOZZLE	PRESSURE			RADIUS		FLOW RATE			PRECIP in/hr		PRECIP mm/hr	
	PSI	kPa	Bars	Ft.	M.	GPM	L/M	M ³ /H	■	▲	■	▲
#1.0	30	207	2.1	33'	10.1	1.3	4.9	0.29	.23	.24	6	7
	35	241	2.4	34'	10.4	1.4	5.3	0.32	.23	.27	6	7
	40	276	2.8	37'	10.4	1.5	5.7	0.34	.21	.29	6	7
	45	310	3.1	37'	11.3	1.6	6.1	0.37	.22	.26	6	7
	50	345	3.4	37'	11.3	1.8	6.8	0.41	.25	.29	6	7
#2.0	30	207	2.1	37'	11.3	2.6	9.8	0.59	.37	.42	9	11
	35	241	2.4	38'	11.6	2.8	10.6	0.64	.37	.43	9	11
	40	276	2.8	39'	11.9	3.0	11.4	0.68	.38	.44	10	11
	45	310	3.1	40'	12.2	3.2	12.1	0.73	.39	.44	10	11
	50	345	3.4	40'	12.2	3.6	13.6	0.82	.43	.50	11	13
#3.0	30	207	2.1	37'	11.3	3.8	14.4	0.86	.53	.62	14	16
	35	241	2.4	40'	12.2	4.1	15.5	0.93	.49	.57	13	14
	40	276	2.8	41'	12.2	4.5	17.0	1.02	.52	.60	13	15
	45	310	3.1	41'	12.5	4.7	17.8	1.07	.54	.62	14	16
	50	345	3.4	43'	13.1	4.9	18.5	1.11	.51	.59	13	15
#4.0	30	207	2.1	38'	11.6	5.2	19.6	1.18	.69	.80	18	20
	35	241	2.4	40'	12.2	5.7	21.5	1.29	.69	.79	17	20
	40	276	2.8	44'	13.4	6.0	22.7	1.36	.60	.69	15	17
	45	310	3.1	45'	13.7	6.4	24.2	1.45	.61	.70	15	18
	50	345	3.4	46'	14.0	6.8	25.7	1.54	.62	.71	16	18

*All precipitation rates calculated for 180° operation. For the precipitation rate for a 360° sprinkler, divide by 2.



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