



Timers	Easy Set Logic™ Indoor/Outdoor Timer				Easy Dial™ Indoor Timer	
Orbit part #	57894	57896	57899	57900	57854	57856
Stations	4	6	9	12	4	6
Rain Delay	✓	✓	✓	✓	✓	✓
Programs	3	3	3	3	2	2
Indoor Mount	✓	✓	✓	✓	✓	✓
Outdoor Mount	✓	✓	✓	✓		
Water Budgeting	✓	✓	✓	✓		
Rain Sensor Capable	✓	✓	✓	✓	✓	✓
Warranty	6 years	6 years	6 years	6 years	6 years	6 years

Why do my sprinklers run continuously or repeat and run additional cycles?

- Most often this is caused by more than one start time being programmed.

Will my timer operate on battery power alone?

- No. The battery backup only maintains your programming in the event of power loss.

Why does my timer show "off pwr" in the LCD display?

This can be caused by:

- Disconnected power supply.
- A blown fuse (in some models).
- The electrical outlet is not working.

Why are some of my stations working, but not all of them?

Possible reasons:

- A bad valve solenoid.
- A broken or disconnected wire.
- Incorrect timer programming.
- The flow control stem on the valve is closed.

Programming Note:

To conserve water, Orbit® timers are equipped with a rain delay feature. Timers are also rain sensor ready (sold separately). Set it and forget it.

The water budgeting feature also allows you to seasonally adjust your watering duration without reprogramming each station.

Orbit Irrigation Products, Inc. | www.orbitonline.com | 1.800.488.6156 | 98830-26 rA

 FLUID P 801 295 9820 F 801 951 5815 www.fluid-studio.net 1065 South 500 West Bountiful, Utah 84010	PROOF NO: 3 DATE: 01.20.11 DES: MZ CLIENT: Orbit SKU: 98830 UPC: N/A FILE NAME: 98830-26 rA.indd SOFTWARE: InDesign CS5	DIMENSIONS: FLAT: W: 7" H: 5" FINISHED: W: 7" D: 0.0" H: 5" COLORS <table border="0"> <tr> <td></td> <td>Registration</td> <td></td> <td>grommet die non printing</td> <td></td> <td>color non printing</td> </tr> <tr> <td></td> <td>CMYK</td> <td></td> <td>PMS ???</td> <td></td> <td>PMS ????</td> </tr> </table> ADDITIONAL INSTRUCTIONS: . . .		Registration		grommet die non printing		color non printing		CMYK		PMS ???		PMS ????	Printers are responsible for meeting print production requirements. Any changes must be approved by the client and Fluid Studio. PRINTED PIECE MUST MEET DESIGNATED SPECIFICATIONS ON THIS FORM. © 2011 Fluid Studio. This work is the property of Fluid Studio, and cannot be used, reproduced or distributed in any way without their express permission.
	Registration		grommet die non printing		color non printing										
	CMYK		PMS ???		PMS ????										



Valves	Inline Valves		Inline Jar-Top Valves		Inline/Angle	Anti-Siphon		Jar-Top Anti-Siphon
Orbit part #	57100	57101	57460	57461	57020	57623	57624	57626
Size	¾"	1"	¾"	1"	1"	¾"	1"	¾"
Reverse Flow Valve	✓	✓						
Flow Control					✓	✓	✓	
Replaces	Rain Bird® - CP-075* Rain Bird® - CP-100*		Rain Bird® - JTV075*, JTV100*			Rain Bird® - JTV075ASVF*, JTV100ASVF*		Rain Bird® - JTV075ASV*, Lawn Genie®RJ11
Replacement Diaphragms								
Orbit part #	57045		57473		57046	57078		57473

*Measure your valve dimensions to ensure valve compatability.

Why is my valve not shutting off?

- More than one start time is programmed in the timer.
- There is debris inside the valve.
- Diaphragm needs to be replaced.

Why do one or more of my zones not turn on?

- Verify that the main water supply is on.
- There could be a faulty solenoid in the valve – replace solenoid.
- Make sure the wires are properly connected.
- Verify that the timer programming is correct.

Why is my anti-siphon valve leaking when it shuts off?

- Anti-siphon valves should be installed 12" higher than the highest head in the zone. If installed lower than the heads in the zone, water can leak out the anti-siphon cap.
- Always check local codes before installing a backflow prevention device.

How do I maintain my valve?

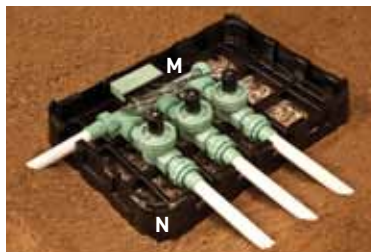
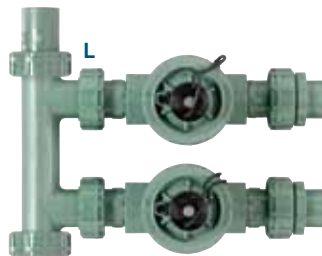
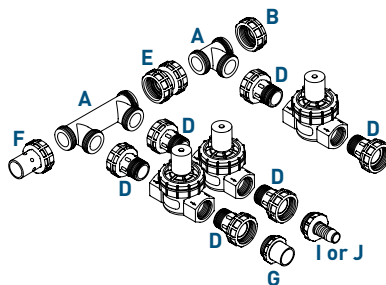
- All Orbit® valves include detailed maintenance instructions.
- Orbit® jar-top valves allow for easy tool-free diaphragm access.

Manifold System

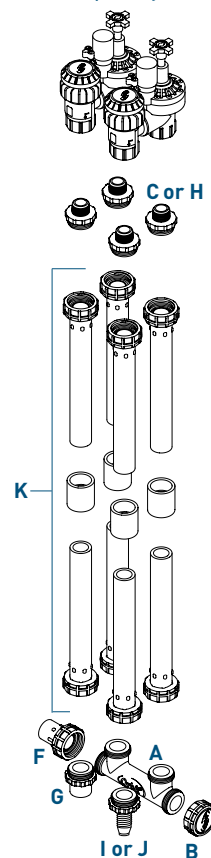


Manifold System	Ref. letter	Orbit part #
1 Port Manifold	A	57181
2 Port Manifold	A	57182
3 Port Manifold (not shown)	A	57183
Manifold Cap	B	57197
1" NPT Transition Adapter	C	57198
1" Swivel Adapter	D	57199
Swivel Double Union	E	57184
PVC Slip Swivel Adapter	F	57202
Slip Transition Adapter	G	57191
3/4" NPT Transition Adapter	H	57187
3/4" Poly Adapter	I	57188
1" Poly Adapter	J	57189
Anti-Siphon Nipple	K	57192
2 Port Pre-Assembled Manifold	L	57250
3 Port Pre-Assembled Manifold	M	57253
Valve Box Platform	N	53230

Inline System



Anti-siphon System



Large Area Heads



Large Area Heads	Voyager II®	Eclipse®	Saturn III®	Satellite®	Super Jet™	Eco-Stream™*	
Orbit part #	55661/55662	55044	55069	55025	55100	55038	55037
Pop-up Height	4"	4"	4"	2.5"	2.5"	4"	4"
Spray Pattern	40 - 360°	40 - 360°	40 - 360°	20 - 360°	20 - 360°	360°	90 - 210°
Spray Distance	20' - 50'	20' - 35'	15' - 25'	35' - 45'	35' - 45'	8' - 15'	8' - 15'
½" Inlet		✓	✓	✓	✓	✓	✓
¾" Inlet	✓	✓		✓			
Replaces	Rain Bird® 42SA K-Rain® K2, K5, K8000 Hunter® PGP Toro® ProStream XL™		Rain Bird® 32SA K-Rain® K1, K5 Mini Hunter® PGJ	Rain Bird® AG-5 MaxiPaw®	Rain Bird® LG-3 MiniPaw®	Rain Bird® 12SA Replaces traditional 4" pop-up spray heads and uses up to 30% less water.	
						* Rebate for this product available in select areas, check with your local water district	

Impact heads are not rotating?

- There are too many heads on a zone—Impact heads use approximately 3.5 GPM (gallons per minute) per head.
- Low pressure—Check for a broken or disconnected line.
- Excessive pressure—Pressure should not exceed 80 psi. Optimum running pressure is 50 psi.

Heads continue to “weep” after running?

- If you are on a slope, the remaining water in the line can weep or trickle from the lowest head on the zone.
- If it continues to weep for an extended period, you may have a valve that is not closing all of the way.

How do I adjust my gear drive?

- Gear heads are preset to 180 degrees.
- Rotate the turret counter-clockwise to the left stop and then clockwise to the right stop. The right stop is the fixed side of the arc.
- Holding the turret at the right stop position, insert the plastic end of the key (Voyager®) or a screwdriver (Saturn®, Eclipse®) into the pattern adjustment slot. Turn key or screwdriver counter-clockwise to decrease the arc and clockwise to increase the arc. One full turn of the key will change the arc adjustment by 90 degrees. Heads can be adjusted by any increment between 40 and 360°.
- To diffuse the spray or adjust the distance, insert the metal hex end of the key (Voyager®) or a screwdriver (Saturn®, Eclipse®) into the distance adjustment slot. Turn the diffuser screw clockwise to decrease the distance of the spray. Caution: turning the diffuser screw more than five full turns may result in a lost diffuser screw.



Medium Area Heads	400 Series		Hard Top®	Plastic Cap	Brass Nozzle		200 Series
Orbit part #	54193 54192 54191	54183 54182 54181	54115 54118	54116 54117N 54100 54101	54223 54222 54221	54243 54242 54241	54228 54229 54230
Pop-up Height	4"	2"	2", 4"	2", 4", 6", 12"	4"	2"	2"
Spray Pattern	360° 180° 90°	360° 180° 90°	25 - 360°	25 - 360°	360° 180° 90°	360° 180° 90°	360° 180° 90°
Twin Spray					✓		
Spray Distance	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'
Ratcheting Stem	✓	✓	✓	✓	✓	✓	✓
Replaces	Rain Bird®, Hunter®, Toro®, K-Rain® spray heads						

How many heads can I put on a zone?

- You need to know your pressure (PSI) and flow rate (GPM) to determine how many heads per zone can be used. See our online layout guide for more detailed information <http://www.orbitonline.com/lib/media/InstallationGuide.pdf>

What do I do if there are dry spots in my lawn?

- One potential reason for dry spots is heads that are spaced too far apart. You should have head to head coverage.
- Orbit's brass twin spray nozzles ensure better water distribution close to the head.

Heads continue to "weep" after running?

- If you are on a slope, the remaining water in the line can weep from the lowest head on the zone.
- If it continues to weep for an extended period, you may have a valve that is not closing all of the way.

All Orbit® nozzles are interchangeable with Rain Bird®, Hunter®, and K-Rain® nozzles (200 series excluded).

Riser Flex & Misc.



Riser Flex	Ref. letter	Orbit part #
½" MIPT x Barb St Elbow	A	37159
½" MIPT x FIPT Swing Joint Elbow	B	37163
½" x ¾" x 12" Pre-Assembled Swing Joints	C	37265D
½" x 24" Riser Flex Pipe	D	37151
½" x 10' Riser Flex Pipe	E	37153D
½" x 50' Riser Flex Pipe	E	37154
½" x 100' Riser Flex Pipe	E	38931
To Build Your Own Swing Joint	A -Qty. 2, B -Qty. 1, + desired length of Riser Flex Pipe	

Note: not all riser flex fittings are shown here



To Complete Your Project, Don't Forget....

	Ref. letter	Orbit part #
Tool Kit	F	26098
16 in 1 Tool Kit	G	26099
Sprinkler Pull-up Tool	H	26030
Sprinkler Flags	I	53326
Bubblers – for small areas	J	54042
Auto Drains – for freezing areas	K	51240 51241
Walkway Tunnel Kit – for getting under driveways and sidewalks	L	53333

