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The Pattern of Excellence in *Micro Irrigation*  
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The Pattern of Excellence in Micro Irrigation



## Landscape & Turf Irrigation

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**Short-Range Gear Driven Rotor**  
**K-Rain-9KMPR MINIPRO**



**Features**

- Short to Medium Range Watering 5.2 - 9.1m
- Easily replaces any ½" Gear Drive
- K-Rain Patented Easy Arc set
- Arc setting Degrees shown on Top
- Plastic I.D. Cap
- Fixed left starting point
- Set wet or dry
- K-Rain patented reversing mechanism
- 4" (10cm) Riser height
- Advanced Riser Seal
- Multi-functional K-key for arc set and or nozzle removal
- Optional check valve - Prevents low head discharge

**Applications**

- Residential/Light Commercial (Perfect for small lawns landscape areas and for replacing fixed sprays)
- Spacing: 52 to 9.1 mtr

**Specification**

- ½" Female Threaded Inlet
- Arc Adjustment range : 40° to 360°
- Flow Range : 2.8-14.3 ltr/min
- Operating Pressure : 2-3.5 kg/cm<sup>2</sup>
- Precipitation rate : 6.3-10.4 mm/hr  
(depending on spacing and nozzle used)
- Overall height (popped down) : 6" (15.24 cm)
- Exposed Top Diameter : 1 1/4" (3.2 cm)
- Normal Radius : 5.2-9.1 m
- Nozzle trajectory : Standard 25°



**Short-Range Gear Driven Rotor**  
**K-Rain-9KMPR MINIPRO**

PERFORMANCE TABLE					
Nozzle (mm)	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate*	
				Triangular (mm/hr)	Square (mm/hr)
0.75	2.0	5.2	2.8	7.3	6.3
	3.0	5.2	3.0	7.8	6.8
	3.5	5.5	3.4	7.8	6.8
1.0	2.0	6.1	3.4	6.4	5.5
	3.0	6.4	4.5	7.7	6.7
	3.5	6.4	4.9	8.3	7.2
1.5 Pre-Installed	2.0	7.0	5.3	7.5	6.5
	3.0	7.3	6.4	8.3	7.2
	3.5	7.3	7.2	9.3	8.1
2.0	2.0	7.6	6.8	8.1	7.0
	3.0	8.2	8.0	8.1	7.0
	3.5	8.2	9.1	9.3	8.0
3.0	2.0	8.5	10.2	9.7	8.4
	3.0	9.1	11.4	9.4	8.1
	3.5	9.1	12.5	10.4	9.0

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.



FIXES LEFT START POSITION



EASY ARC SETTING



SHORT RANGE TURF ROTOR



EASY NOZZLE REMOVE

The Minipro provides arc adjustment from 40° to 360°  
Sprinkler arc setting adjustment is carried out by rotation of a flat blade screwdriver within top cover adjustment slot. Sprinkler coverage pattern is indicated by degree graduation and an arrow located on top of the sprinkler.



**Short-Range Gear Driven Rotor**  
**K-Rain-RPS™ 50**



**Features**

- Right Position Start.
- Patented Reversing Mechanism — Continuous reverse and return.
- Ideal for use in tandem with larger rotors.
- Rubber Cover — Seals out dirt and increases product durability.
- Comes with 5 Nozzles for system flexibility.
- Optional Check Valve — Prevents low head drainage.

**Applications**

- Residential/Light Commercial (Perfect for small lawns landscape areas and for replacing fixed sprays)
- Spacing: 52 to 9.1 mtr

**Specifications**

- Arc Adjustment Range: 40° — 360°
- Flow Range: .8 — 3.8 GPM (3,0 — 14,4 LPM)
- Pressure Rating: 20 — 70 PSI (1,4 — 4,8 bar)
- Precipitation Rate: .26 — .60 in/hr (6,6 — 15,2 mm/hr)  
(Depending on spacing and nozzle used)
- Recommended Spacing: 17' — 28' (5,2 — 8,5 m)
- Radius: 18' — 33' (5,5 — 10,1 m)
- Nozzle Trajectory: 25°



**Short-Range Gear Driven Rotor  
K-Rain-RPS™ 50**



The RPS 50 Provides arc adjustment from 40° to 360°. Sprinkler arc setting adjustment is carried out by rotation of a blade screwdriver within top cover adjustment slot. Sprinkler coverage pattern is indicated by degree graduations and an arrow located on top of the sprinkler

PERFORMANCE TABLE					
Nozzle	Pressure	Radius	Flow Rate	Precipitation Rate*	
				Triangular (mm/hr)	Square (mm/hr)
(mm)	(kg/cm <sup>2</sup> )	(mtr)	(ltr/min)		
0.75	2.07	5.5	2.8	11	13
	2.76	5.8	3.0	11	13
	3.45	6.1	3.4	11	13
1	2.07	7.9	3.4	7	8
	2.76	8.2	4.5	8	9
	3.45	8.2	4.9	9	10
1.5 Pre-Installed	2.07	8.2	5.7	9	10
	2.76	8.2	6.8	8	9
	3.45	8.5	7.6	9	10
2	2.07	8.8	7.6	10	11
	2.76	9.1	8.7	11	12
	3.45	9.4	10.2	10	12
3	2.07	9.8	11.4	12	14
	2.76	10.1	12.9	11	13
	3.45	10.1	14.4	13	15

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity



**Mid-Range Gear Driven Rotor**  
**K-Rain-9KRPS75-RPS 75/Rain Italy-S075**



**Features**

- Right Position Start-Rotor rotates counter clockwise from fixed right start position
- Flow control for reducing the radius by retaining the uniformity of distribution.
- Riser fits in existing Hunter PGP cans—simply unscrew the existing riser from the PGP® can and replace with the RPS75 riser
- Top adjustment—no training necessary, the RPS75 has the same adjustment procedure as the Hunter PGP
- Full and Part circle rotation—provides a full range of adjustment from 40° to 360°.
- Non-flushing wiper seal—reduces leaks caused by debris trapped under seal.
- 3/4" Inlet—Replaces all standard rotors
- Ideal for low flow applications.
- Universal adjustment tool—compatible with existing Hunter® products
- Rubber Cover—Seals out dirt and increases product durability
- Wide Selection of Nozzles—Including standard and low angle, provides flexibility in system design
- Available with Anti-Drain Check Valve option.

**Applications**

- Residential/Light Commercial
- Spacing: 7.6 to 13.7 mtr



**Specifications**

- 3/4" Female Threaded
- Arc Adjustment Range : 40° to 360°
- Flow Range : 2.64 – 31.3 l/m
- Pressure Rating : 1.5 – 4.8 kg/cm<sup>2</sup>
- Precipitation Rate : 3 to 10 mm/h
- Overall Height (Popped Down) : 7 3/8"
- Recommended Spacing : 7.6 to 13.7mtr
- Radius : 6.7 to 15.5mtr
- Nozzle Trajectory : 26°
- Low Angle Nozzle Trajectory : 11°
- 8 Standard and 4 Low Angle Nozzles Included
- Riser Height : 4"

**Mid-Range Gear Driven Rotor  
K-Rain-9KRPS75-RPS 75/Rain Italy-S075**



Performance Data - Standard			
Nozzle	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)
0.5	2.1	8.5	1.9
	2.8	8.8	2.3
	3.4	8.8	2.7
	4.1	9.1	3.0
0.75	2.1	8.8	2.6
	2.8	9.1	3.0
	3.4	9.1	3.4
	4.1	9.4	3.8
1	2.1	9.1	3.4
	2.8	9.4	3.8
	3.4	9.4	4.5
	4.1	9.8	4.9
2	2.1	9.8	4.5
	2.8	9.4	3.8
	3.4	10.4	6.1
	4.1	10.4	6.8
3 Pre- Installed	2.1	11.0	7.6
	2.8	11.6	9.1
	3.4	12.2	10.2
	4.1	12.2	11.0
4	2.1	11.0	9.8
	2.8	12.2	11.4
	3.4	12.8	12.9
	4.1	12.8	14.0
6	2.1	11.6	15.9
	2.8	13.1	18.5
	3.4	14.0	20.8
	4.1	14.3	22.7
8	2.8	13.7	22.7
	3.4	14.6	25.7
	4.1	14.9	28.8
	4.8	15.5	31.0



\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.

Performance Data - Low Range			
Nozzle	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)
1	2.0	6.7	4.5
	3.0	7.3	6.4
	3.5	7.9	6.8
	4.0	8.5	7.6
2	2.0	8.8	11.4
	3.0	9.8	11.7
	3.5	10.7	13.2
	4.0	11.3	14.4
4	2.0	9.4	12.9
	3.0	10.4	14.8
	3.5	11.3	16.7
	4.0	11.6	17.8
6	3.0	11.6	24.6
	3.5	12.2	27.6
	4.0	12.8	30.3
	5.0	13.4	32.6

## Mid-Range Gear Driven Rotor

### K-Rain-9KRPSS-RPS SELECT GEAR DRIVEN ROTORS



#### Features

- Four built-in selectable nozzles to match different arc settings. (#1-#4)
- Adjustable arc (40°-360°) All adjustments made from the top-wet or dry. No special tools needed
- Balanced precipitation rates when nozzle setting matched to arc
- Precision-engineered nozzles for water-saving efficiency
- Standard rubber cover
- Proven water-lubricated gear-drive design common to RPS 75 Series. Large dirty-water filter screen for compatibility with reclaimed and recycled water sources.
- Internal assembly interchanges with Hunter® PGP® rotors
- Low-pressure operation
- Effluent / reclaimed water identification cover available.

#### Applications

- Residential/Light Commercial
- Spacing: 9.8 to 12 mtr

#### Specifications

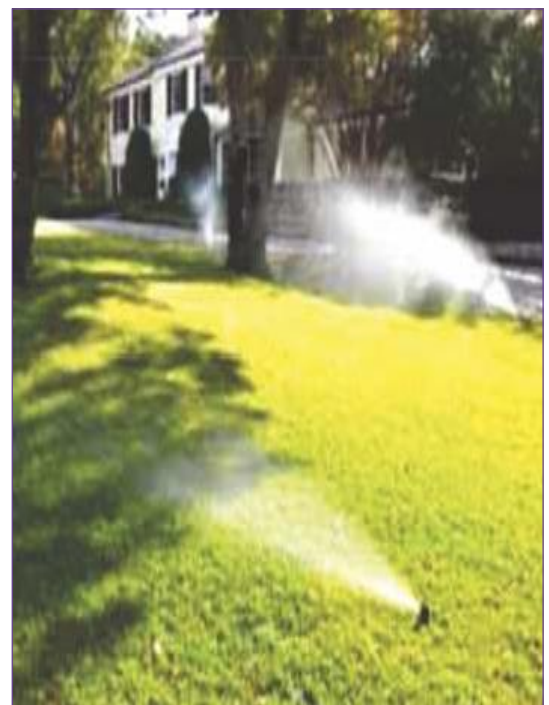
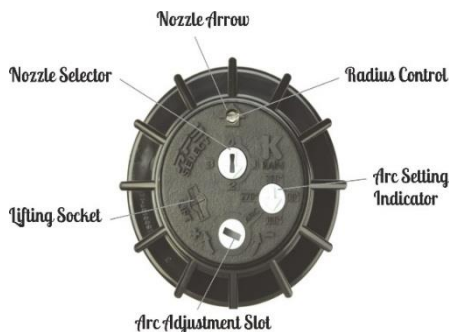
- Radius : 7.9 to 14m
- Flow Rate : 4.9 to 25.7 l/m
- Recommended operating pressure : 2.0 to 5.0 kg/cm<sup>2</sup>
- Optimum nozzle performance : 3.5 kg/cm<sup>2</sup>
- Standard 4" pop-up for lawn areas
- ¾" female-threads inlet
- Optional drain check valve controls up to 10' of elevation change



**Mid-Range Gear Driven Rotor**  
**K-Rain-9KRPSS-RPS SELECT GEAR DRIVEN ROTORS**

PERFORMANCE DATA					
Nozzle (mm)	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate*	
				Square (mm/hr)	Triangular (mm/hr)
#1.0	2	10.1	4.9	6	7
	2.5	10.4	5.3	6	7
	3	11.3	6.1	6	7
	3.5	11.3	6.8	6	7
#2.0	2	11.3	9.8	9	11
	2.5	11.6	10.6	9	11
	3	12.2	12.1	10	11
	3.5	12.2	13.6	11	13
#3.0	2	11.3	14.4	14	16
	2.5	12.2	15.5	13	14
	3	12.5	17.8	14	16
	3.5	13.1	18.5	13	15
#4.0	2	11.6	19.6	18	20
	2.5	12.2	21.5	17	20
	3	13.7	24.2	15	18
	3.5	14	25.7	16	18

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



RPS Select sprinkler is the first gear-driven sprinkler that makes matched precipitation fast and easy, without the need for cumbersome changing of nozzles or sprinkler heads in the field. The RPS Select offers a choice of 4 selectable nozzles built-in. With a twist of a screwdriver, quickly select the correct nozzle flow to match the arc setting of the sprinkler, wet or dry. No nozzle trees to carry or lose. Fewer chances for errors. Using a combination of the four nozzles, it's easy to achieve matched precipitation across all arc settings.

**Mid-Range Gear Driven Rotor  
K-Rain-9KPRP PROPLUS**



**Features**

- Revolutionary Patented Easy Arc Set- Easily adjusted from the top with flat blade screwdriver
- 2N1 Adjustable or Continuous Rotation- Provides a full range of adjustable from 40° to a full 360°.
- Patented Arc Set Degree Markings- Shows the degree of adjustment with the point of an arrow on the top cover.
- Vandal resistant clutch with Auto Reset- Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced past its stop.
- Time Proven Patented Reversing Mechanism- Assures continuous reverse and return... over a 20 year history.
- Ratcheting Riser - Easily adjust your left stop position by turning the riser.
- Heavy Duty Rubber Cover - Protects against physical injury and reduces liability
- Wide Selection of Nozzles - Including standard and low angle, provides flexibility in system design to achieve matched precipitation.
- 5" riser height
- Advanced Riser Seal
- Optional Check Valve - Prevents low head rain age, saves water and reduces liability.

**Applications**

- Residential/Light Commercial
- Spacing: 8.5 to 13.4 mtr

**Specifications**

- ¾" Female Threaded Inlet
- Arc Adjustment Range : 40 to Continuous 360
- Flow Range : 1.8 to 37.9 ltr/min
- Pressure Rating : 2.0 to 5.0 kg/cm2
- Precipitation rate : 1.6 to 12.9 mm/hr
- Overall Height(Popped Down) : 7½"
- Recommended Spacing : 8.5 to 13.4 mtr
- Radius : 6.7 to 15.2 mtr
- Nozzle Trajectory : 260
- Low Angle Nozzle Trajectory : 120
- Standard and Low Angle Nozzle : Included
- Riser Height : 5"



**Mid-Range Gear Driven Rotor  
K-Rain-9KPRP PROPLUS**



Performance Data - Standard					
Nozzle (mm)	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate*	
				Triangular (mm/hr)	Square (mm/hr)
0.5	2.0	8.5	1.9	1.8	1.6
	3.0	8.8	2.3	2.0	1.7
	3.5	8.8	2.6	2.3	2.0
	4.0	9.1	3.0	2.5	2.2
0.75	2.0	8.8	2.6	2.3	2.0
	3.0	9.1	3.0	2.5	2.2
	3.5	9.4	3.4	2.6	2.3
	4.0	9.8	3.8	2.8	2.4
1	2.0	11.3	9.1	4.9	4.3
	3.0	12.2	9.5	4.4	3.8
	3.5	12.8	11.4	4.8	4.2
	4.0	13.1	12.5	5.0	4.4
2	2.0	11.3	9.1	4.9	4.3
	3.0	12.2	9.5	4.4	3.8
	3.5	12.8	11.4	4.8	4.2
	4.0	13.1	12.5	5.0	4.4
2.5 Pre-Installed	2.0	11.6	9.5	4.9	4.2
	3.0	11.9	10.6	5.2	4.5
	3.5	12.2	12.1	5.6	4.9
	4.0	12.5	13.2	5.9	5.1
3	2.0	11.6	13.6	7.0	6.1
	3.0	11.9	15.9	7.8	6.8
	3.5	12.5	17.4	7.7	6.7
	4.0	12.8	18.9	8.0	6.9
4	2.0	13.1	16.7	6.7	5.8
	3.0	13.4	19.3	7.4	6.4
	3.5	14.0	21.2	7.5	6.5
	4.0	14.9	22.3	6.9	6.0
6	3.0	13.7	22.3	8.2	7.1
	3.5	14.0	22.7	8.0	6.9
	4.0	14.6	23.8	7.7	6.7
	5.0	14.9	25.4	7.9	6.8
8	3.0	12.8	30.3	12.8	11.1
	3.5	13.7	32.2	11.8	10.3
	4.0	14.9	36.0	11.2	9.7
	5.0	15.2	37.9	11.3	9.8

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.

**Mid-Range Gear Driven Rotor  
 K-Rain-9KPRP PROPLUS**



Performance Data - Low Range				Precipitation Rate*	
Nozzle	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Triangular (mm/hr)	Square (mm/hr)
1	2.0	6.7	4.5	7.0	6.1
	3.0	7.3	6.4	8.3	7.2
	3.5	7.9	6.8	7.5	6.5
	4.0	8.5	7.6	7.0	6.2
2	2.0	8.8	11.4	10.1	8.7
	3.0	9.8	11.7	8.5	7.4
	3.5	10.7	13.2	8.1	7.0
	4.0	11.3	14.4	7.8	6.8
4	2.0	9.4	12.9	10.0	8.6
	3.0	10.4	14.8	9.5	8.2
	3.5	11.3	16.7	9.1	7.9
	4.0	11.6	17.8	9.2	8.0
6	3.0	11.6	24.6	12.7	11.0
	3.5	12.2	27.6	12.9	11.2
	4.0	12.8	30.3	12.8	11.1
	5.0	13.4	32.6	12.5	10.9

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.

**Professional Gear Driven Rotor W/Flow Shut – Off**  
**K-Rain-9KSPR SUPERPRO/Rain-Italy-S075S**



**Features**

- Revolutionary Patented Easy Arc Set – Simplified arc set allows for wet or dry adjustment in seconds.
- 2N1 Adjustable or Continuous Rotation – Provides a full range of adjustment from 40° to a continuous 360°.
- Patented Arc Set Degree Markings – Clearly indicates the current watering pattern and simplifies arc set adjustment
- Arc Memory Clutch – Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced out of adjustment.
- Time Proven Patented Reversing Mechanism – Assures continuous reverse and return...over a 35z year history.
- Ratcheting Riser – Allows for easy adjustment of your left starting position with a simple turn of the riser.
- Rubber Cover – Seals out dirt and increases product durability
- Optional Check Valve – Prevents low head drainage.
- Rugged Stainless Steel Spring – .093 gauge 302 stainless steel spring extends the life of the rotor.

**Applications**

- Residential/Light Commercial
- Spacing: 7.9 to 14.9 mtr

**Specifications**

- Inlet : ¾" (1.9 cm) Threaded NPT
- Arc Adjustment Range : 40° to Continuous 360°
- Flow Range : 4.10-41.9 LPM
- Pressure Rating : 1.5-5 kg/cm<sup>2</sup>
- Precipitation Rate : 5.39 to 30.89 mm/hr  
(Depending on Spacing and Nozzle Used)
- Overall Height (Popped Down) : 7½" (19 cm)
- Recommended Spacing : 28'-44' (8.5 a 13.4 m)
- Radius : 26'-46' (7.9 a 14.9 m) Nozzle Trjectory: 26°
- Low Angle Nozzle Trajectory : 12°
- Standard and low Angle Nozzles Included
- Raiser Height : 4" (10.2 cm)




**Professional Gear Driven Rotor W/Flow Shut – Off**  
**K-Rain-9KSPR SUPERPRO/Rain-Italy-S075S**

Performance Data - Standard					
Nozzle	Pressure (kg/cm2)	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate*	
				Triangular (mm/hr)	Square (mm/hr)
0.5	2.0	7.9	1.7	1.4	1.2
	3.0	7.9	1.9	1.7	1.5
	3.5	8.8	2.3	2.5	2.2
	4.0	9.1	2.6	2.9	2.5
0.75	2.0	9.8	2.6	1.9	1.7
	3.0	9.8	3.0	2.2	1.9
	3.5	10.1	3.4	2.3	2.0
	4.0	10.1	3.8	2.6	2.2
1	2.0	9.1	4.2	3.5	3.0
	3.0	9.8	4.9	3.6	3.1
	3.5	10.1	5.7	3.9	3.4
	4.0	10.1	6.1	4.1	3.6
2	2.0	11.6	8.7	4.5	3.9
	3.0	11.6	9.5	4.9	4.2
	3.5	12.2	10.2	4.8	4.1
	4.0	12.8	11.4	4.8	4.2
2.5 Pre-Installed	2.0	10.7	9.5	5.8	5.0
	3.0	11.0	10.6	6.1	5.3
	3.5	11.3	12.1	6.6	5.7
	4.0	11.6	13.6	7.0	6.1
3	2.0	10.7	12.9	7.8	6.8
	3.0	11.0	14.9	8.3	7.2
	3.5	11.6	15.9	8.2	7.1
	4.0	11.9	18.2	8.9	7.7
4	2.0	12.8	15.5	6.6	5.7
	3.0	13.4	17.4	6.7	5.8
	3.5	11.6	15.9	8.2	7.1
	4.0	14.0	21.6	7.6	6.6
6	3.0	14.0	22.0	7.7	6.7
	3.5	14.6	24.2	7.8	6.8
	4.0	14.9	26.5	8.2	7.1
	5.0	14.9	28.4	8.8	7.6
8	3.0	12.8	28.4	12.0	10.4
	3.5	13.7	31.0	11.4	9.9
	4.0	14.6	34.1	11.0	9.5
	5.0	14.6	36.0	11.6	10.1

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.

**Professional Gear Driven Rotor W/Flow Shut – Off**  
**K-Rain-9KSPR SUPERPRO/Rain-Italy-S075S**

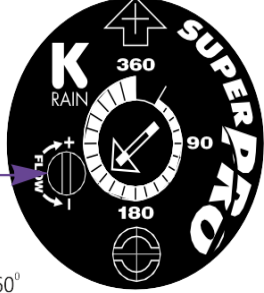
**Easy Arc Setting**



**Intelligent Flow Technology®**


Adjust From Left Start

- Arc Selection 40° to Continuous 360°
- Reduces distance and flow rate proportionately Provides full on/off control



Performance Data - Low Range				Precipitation Rate*	
Nozzle	Pressure (kg/cm2)	Radius (mtr)	Flow Rate (ltr/min)	Triangular (mm/hr)	Square (mm/hr)
1	2.0	7.9	4.9	5.4	4.7
	3.0	8.2	5.7	5.8	5.0
	3.5	8.2	6.4	6.6	5.7
	4.0	8.5	7.2	6.8	5.9
2	2.0	8.8	11.0	9.7	8.4
	3.0	9.1	12.5	10.4	9.0
	3.5	9.4	12.9	10.0	8.6
	4.0	10.1	15.1	10.4	9.0
4	2.0	8.5	15.1	14.4	12.5
	3.0	9.4	17.8	13.8	12.0
	3.5	10.4	18.9	12.2	10.6
	4.0	11.0	22.7	13.1	11.3
6	3.0	9.1	22.7	18.8	16.3
	3.5	10.4	26.5	17.1	14.8
	4.0	11.3	29.5	16.1	13.9
	5.0	11.6	31.0	16.0	13.9

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.



ADJUSTMENT %	75%		50%		25%			
<b>#1 NOZZLE</b>	2.44 m .09 m <sup>3</sup> /h	8 ft. 0.4 GPM	4.88 m .14 m <sup>3</sup> /h	16 ft. 0.5 GPM	7.32 m .20 m <sup>3</sup> /h	24 ft. 0.9 GPM	9.75 m .30 m <sup>3</sup> /h	32 ft. 1.3 GPM
<b>#2 NOZZLE</b>	3.05 m .14 m <sup>3</sup> /h	10 ft. 0.6 GPM	5.79 m .27 m <sup>3</sup> /h	19 ft. 1.2 GPM	8.53 m .43 m <sup>3</sup> /h	28 ft. 1.9 GPM	11.58 m .57 m <sup>3</sup> /h	38 ft. 2.5 GPM
<b>#4 NOZZLE</b>	3.35 m .25 m <sup>3</sup> /h	11 ft. 1.1 GPM	6.71 m .50 m <sup>3</sup> /h	22 ft. 2.1 GPM	10.06 m .75 m <sup>3</sup> /h	33 ft. 3.3 GPM	13.40 m 1.04 m <sup>3</sup> /h	44 ft. 4.6 GPM
<b>#6 NOZZLE</b>	3.65 m .34 m <sup>3</sup> /h	12 ft. 1.5 GPM	7.32 m .70 m <sup>3</sup> /h	24 ft. 3.1 GPM	10.97 m 1.14 m <sup>3</sup> /h	36 ft. 5.0 GPM	14.63 m 1.45 m <sup>3</sup> /h	48 ft. 6.4 GPM

\*With FLOW SHUT OFF mechanism. Radius reduction can be done up to 75% (No other pop up in the world has this feature). Pattern of spray remain undistorted in case of radius reduction.

**Long Range Gear Driven Rotor**  
**K-Rain-KPRS PROSPRT/Rain-Italy-S100**



**Features**

- Triple Nozzle configuration- Ensures even distribution of water
- 2N1 Adjustable or continuous rotation- Provides a full range of adjustment from 40 to a continuous full circle.
- Vandal resistant clutch with Auto Reset- Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced past its stop.
- Patented Easy Arc Set Degree Marking.
- Heavy duty Rubber Cover.
- Advanced Riser Seal.
- Time proven patented Reversing Mechanism - Assures continuous reverse and return....every time
- Heavy Duty Rubber Cover.
- Easily retrofit to any other system.
- Factory installed check valve - Prevent low head discharge.

**Applications**

- Commercial / Sports Turfs & Golf Courses
- Spacing : 12 to 21 mtr

**Specifications**

- 1" Female Threaded Inlet.
- Arc Adjustment Range : 40° to continuous 360°
- Flow Range : 19.3 to 110.5 ltr/min
- operating Pressure : 2.7 to 6.2 kg/cm<sup>2</sup>
- Precipitation rate : 7.1 to 60.4 mm/hr
- Overall height (popped down) : 9½"
- Exposed Diameter : 1.85"
- Radius : 13.7 to 23.4 mtr
- Nozzle Trajectory : 26°
- Riser height : 4"



**Long Range Gear Driven Rotor  
K-Rain-KPRS PROSPRT/Rain-Italy-S100**

**Easy Arc Setting**



Allow to stop the flow right at the head

Adjust From Right Start

**Performance Data - Standard**

Nozzle	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate*	
				Triangular (mm/hr)	Square (mm/hr)
5	2.76	13.7	19.3	7.14	6.18
	3.45	14.3	22.3	7.57	6.55
	4.14	14.3	24.6	8.36	7.24
	4.83	14.9	26.9	8.37	7.24
10 Pre-Installed	3.45	16.2	40.1	10.6	9.18
	4.14	15.9	44.3	12.15	10.52
	4.83	16.2	47.7	12.52	10.9
	5.52	16.8	51.1	12.52	10.84
15	3.45	17.4	49.2	11.25	9.74
	4.14	18	53.8	11.51	9.97
	4.83	18	58.3	12.47	10.8
20	5.52	19.2	62.5	11.75	10.17
	4.14	19.8	71.5	12.64	10.94
	4.83	20.4	77.6	12.93	11.2
	5.52	21	82.9	13.01	11.27
25	6.21	21.6	87.8	13.04	11.3
	4.14	20.4	86.3	14.37	12.45
	4.83	21.6	93.9	13.93	12.07
30	5.52	22.9	100.3	13.26	11.48
	6.21	23.5	101.4	12.71	11.01
	4.14	20.4	89.7	14.93	12.93
	4.83	21	96.9	15.21	13.17
30	5.52	21	104.1	16.37	14.17
	6.21	21.6	110.5	16.41	14.21

\*Performance is based on ideal conditions of temperature wind velocity and humidity



**K-Rain-NP SPRAYS/ Rain-Italy-S020**



**Features**

- Available in 2" and 4" Models-Provides flexibility in system design.
- Accepts female threaded nozzles
- Stainless Steel Retraction Spring-Provides reliable retraction of the riser in all soil conditions
- Ratcheting Riser-Allows for easy pattern alignment by turning the riser.
- Co-Moulded Wiper Seal - Ensures leak free, full pop-up operation even under low- pressure situations.
- Narrow Profile Body - Easy to retrofit with existing systems.
- Two year limited warranty

**Application**

- Residential / Light commercial

**Specifications**

- ½" Female threaded inlet
- Pressure rating : 1.5-3.5 Kg/cm<sup>2</sup>
- Flow range : 1.9-20.4 ltr/min
- Precipitations rate : 7.6-101.6 mm/hr
- Nominal Radius : 2.7-5.5 mtr

**Narrow Profile Sprays**

K-Rain's RPS pop-up spray heads are ideal for watering Smaller areas, ground cover and shrub areas.

RPS pop-up sprays are built with the contractor in mind. With the narrow profile, replacement is effortless. The RPS Spray is the only narrow profile spray with a co-molded wiper seal.The co-molded wiper seal ensures proper operation year after year with minimal flow by.



K-Rain's co-molded wiper seal reduces flow by-pass at start up and provides durability for longer life.



**K-Rain-9KPROS-PRO-S SPRAY**



**Features**

- Co-Molded Wiper Seal- Ensures a leak free, full pop-up operation even under low-pressure situations. Cartridge design allows for easy removal and cleaning. Treated with UV inhibitors for long life. Seal is microbe resistant to reduce degradation and stick-ups.
- Accepts Female Threaded Nozzles
- Ratcheting Riser- Permits quick, easy alignment of spray pattern
- Heavy-Duty Retraction Spring- Strongest spring in the industry for positive retraction in all soil conditions.
- Side and Bottom Inlets- On 6" and 12" models.
- Wide Selection of Sizes- Available in 2", 3", 4", 6" and 12" models
- Pre-Installed Flush Cap.
- Optional In-stem Pressure Regulator- available for 4", 6" and 12" models.

**Applications**

- Residential / Commercial

**RUGGED CONSTRUCTION**

The K-Rain Pro-S line of sprays is distinguished by its robust construction, rugged body and cap, co-molded seal and heavy-duty retraction spring.



**Models**

78002	2" Pop-up (5 cm)	78006	6" Pop-up (15 cm)
78003	3" Pop-up (7.5 cm)	78012	12" Pop-up (30 cm)
78004	4" Pop-up (10 cm)		

OTHER OPTIONS: ADD TO PART NUMBER -  
PR Pressure Regulator (4", 6" & Models only)



**CO-MOLDED WIPER SEAL**

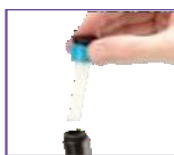
Ensure a leak free, full pop-up operation even under low-pressure situations. Unique cartridge design featuring microbe-resistant durable material prevents degradation and stick-ups



Pre-installed flush cap.



Male threaded body is compatible with all standard female nozzles.



**Large Radius Gear Drive Pop-up  
SIME-9PGP-PLAY GROUND POP-UP**



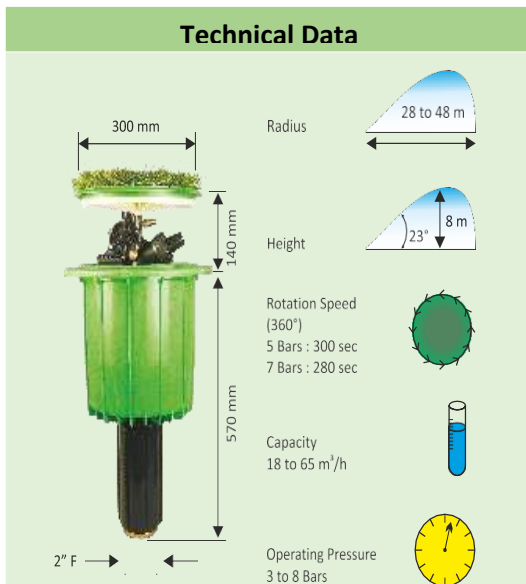
**Installation Recommendations**

- Use quality (min.10 bar rating) 3 or 4 way articulated riser assembly connection between base of sprinkler and supply and pipeline.
- Provides an adequate gravel “soak pit” area about each sprinkler base to allow for drainage of any excess water build up during operation.
- Excess water build up may be avoided by multiple operation cycles (at proportionally reduced times)
- Installation of size 2” anti drain check valve at base of sprinkler head/riser assembly is recommended for all low lying areas.

**Performance Data**

Nozzle (mm)	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate (ltr/min)
16 6	3.0	29.5	314	6.8
	4.0	32.5	364	6.6
	5.0	35.0	406	6.3
	6.0	37.0	446	6.2
	7.0	39.0	482	6.0
18 6	3.0	31.0	350	6.9
	4.0	34.0	400	6.7
	5.0	37.0	452	6.3
	6.0	39.0	496	6.2
20 6	4.0	35.0	545	8.5
	5.0	39.0	609	7.2
	6.0	43.0	668	6.9
	7.0	44.0	721	7.1
	8.0	45.0	773	7.3
22 6	4.0	36.0	649	9.5
	5.0	39.5	726	8.9
	6.0	44.0	795	7.8
	7.0	47.0	859	7.4
24 6	8.0	48.0	920	7.1
	4.0	37.0	765	10.6
	5.0	40.5	855	10.0
	6.0	45.0	937	8.8
26 6	7.0	47.5	1012	8.6
	8.0	48.5	1084	8.8
	4.0	38.0	891	11.7
	5.0	41.5	996	11.0
26 6	6.0	46.0	1092	9.8
	7.0	48.5	1178	9.6
	8.0	50.0	1262	9.6

**Technical Data**



\*Performance is based on ideal conditions of temperature wind velocity and humidity  
Standard Nozzle Size

## Rain-Italy-PURE VISION

### IP68 Valve Box Battery Operated Controller



PURE Vision is the first valve box control unit equipped with a rechargeable lithium battery, which can be charged with renewable energy, generated by the LUCE Vision solar panel or TURBINA Vision water turbine, allowing the PURE control unit to be completely self-sufficient.



#### Features

- Programming characteristics.
- Programming interface: Rain Vision APP
- Permanent Memory: It saves programs during power outages.
- Compatible with IOS and Android

#### Applications

- Wireless operation of remote location Solenoid valves
- Suitable to operate the solenoid valves where irrigation Main Lines are pressurised conditions.
- Economical way to make the Wireless automation system for small to large areas even for golf courses.

#### Specifications

- Type of power: Li-ion 18650 2000mAh
- Number of Zones: 1-2-4-6
- Rain Sensor input
- IP68 protection (body and connections)
- ABS Body
- Connectivity: Bluetooth 5.0
- Max. communication distance: up to 100m LINE OF SIGHT
- Compatible with Turbina and Luce Vision for recharge
- Compatible with Nuvola Vision for wi-fi 2.4 Ghz connection
- Controls latching solenoid 9 Vdc valves
- NFC technology
- 2 years warranty

## Rain-Italy-NUVOLA PLUG IN VISION Indoor Accessories



### Features

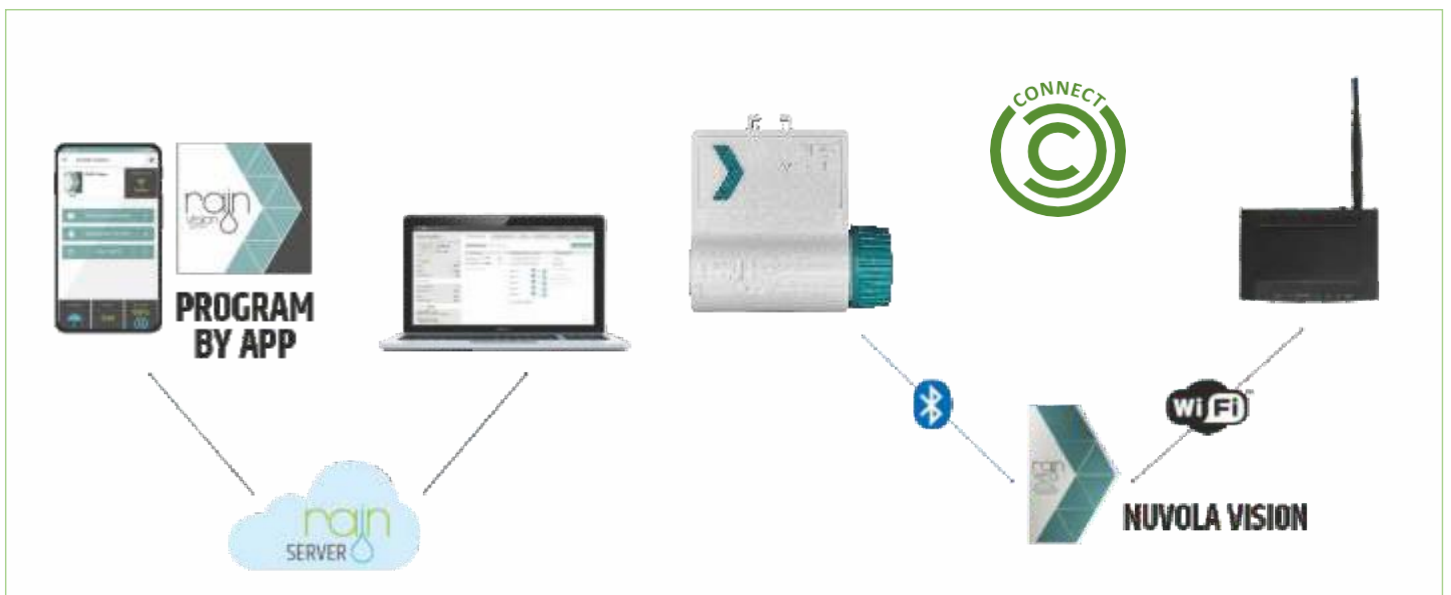
- Programming characteristics
- Programming interface: Rain Vision APP
- compatible with IOS and android

### Applications

- Act as Router Device to operate Rain Vision Controller's through WiFi through App.

### Specifications

- Bluetooth and Wi-Fi accessory for the management of irrigation devices remotely via internet network
- 230Vac 50 Hz (External USB Charger 5Vdc-1A)
- ABS Body
- Connectivity: Bluetooth 5.0 and WI-FI
- Max. communication distance: up to 100m LINE OF SIGHT
- Compatible with 2.4 GHz Wi-Fi reti (802.11 b/g/n)
- operation Temperature: -10-85°C
- Indoor
- Dimentions: 80mm X 61mm X 15mm (26mm USB Included) mm
- Weight: 45 g
- Warranty period: 2 years
- Made in Italy



## Rain-Italy-LUCE VISION Solar Panel



### Features

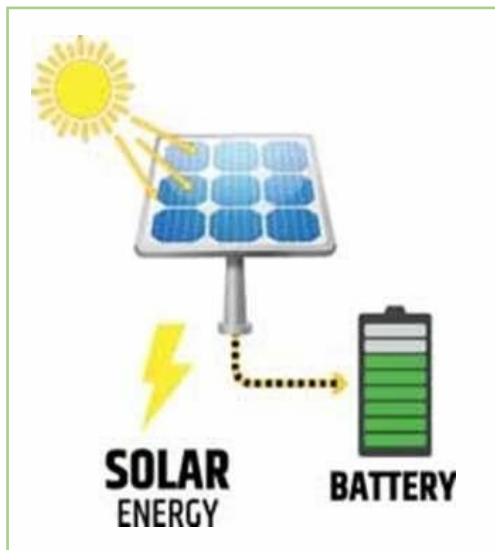
- Programming characteristics
- Programming interface: Rain Vision APP
- compatible with IOS and android

### Applications

- Luce Vision is Rain's solar panel that can be used with all Rechargeable devices
- By connecting it to a compatible device, It keeps the lithium batteries charges through solar energy, making the irrigation system self-sufficient in energy

### Specifications

- IP68 Recharge output compatible with Vision and Rechargeable devices
- Cable length: 5 m
- Temperature range -10-85°C
- Maximum voltage generated: 5 Vdc
- Maximum power generated: 0.5 W
- ABS body
- 130 mm X 170 mm X 30 mm
- Weight: 350g



Luce Vision can be fixed to various surfaces using screws or plastic and metal strips. In addition, the flexibility of its holder allows Luce Vision to be directed towards the sun's rays to increase its effectiveness.



  
NEVERENDING  
BATTERY

  
IP68

  
OUTDOOR

Code:

Models

200.100002

Luce Vision-pannello  
Solare/solar panel



**Rain-Italy-TURBINA VISION  
Microturbine**



**Features**

- Diameter: 5 mm
- Length: 5 m
- Material: PVC
- Conductors: 2 X 0.5 mm<sup>2</sup>
- 2 poles IP68 female quick connector (max diameter: 18 mm)

**Applications**

- Turbina Vision is Rain's water turbine that can be used with all Rechargeable devices.
- By connecting it to a compatible device, It keeps the lithium batteries charges through water energy, making the irrigation system self-sufficient in energy.

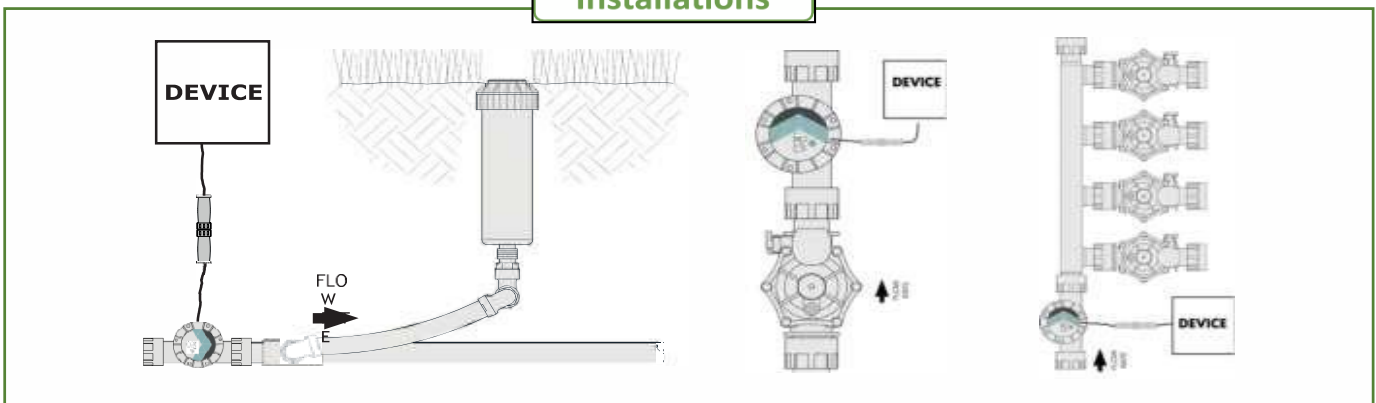
**Specifications**

- Inlet thread: 1" M
- Outlet thread: 1" M
- IP68 Recharge output compatible with vision and Rechargeable devices.
- Maximum voltage generated: 6.8 Vdc
- Maximum power generated: 2 W
- Body material: PA6 30% fibreglass
- IP68
- 4 different nozzles to adapt to any irrigation system
- Maximum flow: 50 l/min
- Min. working pressure: 1 bar
- Max. working pressure: 6 bar
- Operation Temperature: 4-70°C
- 120 mm X 49 mm X 65 mm
- Weight: 400g



Nozzle	33 Yellow		66 White		80 Blue		100 Red	
	from	to	from	to	from	to	from	to
flow (l/min)	10	18	16	30	24	36	30	50
lost of charge (bar)	0.3	1	0.2	1	0.4	1	0.4	1.3
charging speed	Slow	Fast	Slow	Fast	Slow	Fast	Slow	Fast

**Installations**



**K-Rain-TREE BUBBLERS**

Adjustable  
Bubbler



Pressure  
Compensating  
Bubbler



**Umbrella Pattern**

**Features**

- ½" FPT Thread screws onto a variety of spray heads and fittings, delivering point-source, pressure compensating flow.
- Uniform flow throughout a wide pressure range (20 to 40 psi: 1.4 to 2.8 bar).
- Robust Design: durable plastic construction is UV and impact resistant.

**Applications**

- Point Source Medium Flow Emitters for Watering Large Shrubs and Trees
- Use as a bubbler on a ½" PVC Riser

**Specifications (Adjustable Bubbler)**

- Operating range : Flow 0 to 5.55 GPM  
(0 to 1.25 m<sup>3</sup>/h; 0 to 20 l/m)
- Spacing : 1 to 3 feet (0.3 to 0.9m)
- Pressure : 20 to 40 PSI (1.4 to 2.8 Bar)
- Inlet : ½"Female Thread

**Specifications (Pressure Compensating Bubbler)**

- Flow : 1.0 GPM (0.227 m<sup>3</sup>/h; 3.8 l/m)
- Spacing : 1 to 3 feet (0.3 to 0.9m)
- Pressure : 20 to 40 PSI (1.4 to 2.8 Bar)
- Inlet : ½ "Female Thread

K-Rain's pressure compensating Bubblers are ideal for tree and large shrub watering. Pressure compensating ensures Consistent flow rates over lower pressure ranges.



**Pressure Battery Operated Controller  
Rain-Italy-ZERO**



**Features**

- Complete user-friendly programming
- 1 program
- Run time: from 1 to 120 min
- Frequency every: 1, 2, 3, 4, 6, 8, 12, 24, 48, 72 h
- Low battery function

**Applications**

- Automated watering potted in balcony and roof top.
- No worries of watering the plants in event of being away from home.

**Specifications**

- 1 zone
- Inlet thread: ¾"-1"
- Outlet thread: ¾"
- Min flow: 5 l/min
- Max flow: 25 l/min
- Min bar: 0.0 bar
- Max bar: 4.0 bar
- ABS Body
- Powered by 2 alkaline 1.5 volt (AAA)



**Battery Operated Tap Timber  
Rain-Italy-AMICO+/AMICO+2**



**Features**

- 1 program
- Run time min/max : 1/240 minutes
- Watering frequency: from every 6 hours up to every 15 days.
- One look display :
  - Current time indication
  - Start time indication
  - Frequency indication
  - Next irrigation indication
- Watering countdown
- Low battery function

**Applications**

- Automated watering Potted Plants in Balcony and roof top.
- No worries of watering the plants in event of being away from home.

**Specifications**

- 1 zone / 2 zones
- Inlet thread : 3/4"-1" F.
- Outlet thread : 3/4" M.
- Powered by 2 alkaline.
- 1.5 volt (AA).
- ABS Body.
- Hard plastic cover.
- Removable control unit.
- Wide backlit 3" LCD display.
- Diaphragm 9 VDC electric valve.
- Min bar 1.0 bar.
- Max working pressure 6 bars.
- Min flow 5 l/min.
- Max flow 40 l/min.
- Dimensions: 9.7 x 12.3 x 18.5 cm.



**IP68 valve box Battery Operated controller  
Rain-Italy-AMICO PRO**



**Features**

- 2 program
- Start time indication
- Run time min/max : 1/240 minutes AMICO PRO
- Watering frequency for each program: from every 6 hours up to once 15 days.
- Next irrigation indication
- Up to 8 start times per day
- Minimum 1 start time every 15 days
- Watering countdown
- Low battery function
- Permanent Memory: it saves programs during power outages

**Applications**

- Wireless operations of remote location solenoid valves.
- Suitable to operate the solenoid valves where irrigation Main Lines area pressurised conditions.

**Specifications**

- 1 zone
- Powered by 2 alkaline 1.5 volt (AA)
- ABS case
- Hard plastic cover
- Wide backlit 3" LCD display
- Controls latching solenoids 9 Vdc valves
- IP68
- Rain sensor Input (red cable)
- Bracket for valve boxes "EzOPEN"



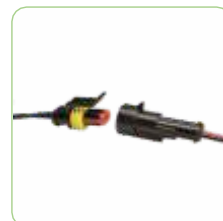
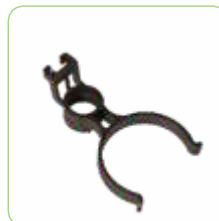
**21**  
AA 1.5V

**EASY**  
SETTING

**IP68**

**3"**  
BACKLIT  
DISPLAY

SENSOR  
INLET



**Battery Operated Controller  
Rain-Italy-AMICO PRO 2&4**



**Features**

- 2 program
- Start time indication
- Run time min/max : 1/180 minutes AMICO PRO 2 and 4
- Watering frequency for each program: from every 6 hours up to once 15 days.
- Next irrigation indication
- Up to 8 start times per day
- Minimum 1 start time every 15 days
- Watering countdown
- Low battery function
- Permanent Memory : it saves programs during power outages

**Applications**

- Wireless operations of remote location solenoid valves.
- Suitable to operate the solenoid valves where irrigation Main Lines area pressurised conditions.

**Specifications**

- 2 and 4 zones
- Powered by 2 alkaline 1.5 volt (AA)
- ABS case
- Hard plastic cover
- Wide backlit 3" LCD display
- Controls latching solenoids 9 Vdc valves
- IP68
- Rain sensor Input (red cable)
- Bracket for valve boxes "EzOPEN"



**3 EASY STEPS**  
Ready in 60 seconds



Start Time



Duration



Frequency

**2**  
AA 1.5V

**EASY SETTING**



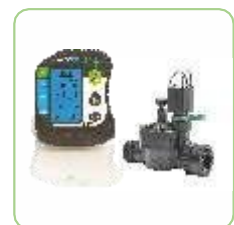
IP68

**3"**

BACKLIT DISPLAY



SENSOR



## HIT-PRO-Two 2 WIRE DECODER VASED CONTROLLER



### **PRO-TWO Controller system**

- Use minimum 1.5 sq. mm Wire with a maximum of 2000' wire un.
- System wiring shall allow for unlimited tees and crosses in filed two wire path.

### **Controller**

- Controller to have up to 16 Stations.
- A maximum of 2 Decoders can operate simultaneously of same or different numbers plus a Master Valve or Pump Start Relay.
- Controller to gave 6 independent programs
- Water Budget feature operates from 5%-250% increments by Program
- Maximum of 6 Start times per program
- Will operate each valve number either, Automatically semi-Automatic or Manually
- Programmed Rain Delay.
- Outdoor model has lock and keys in weather Resistant box.

### **Decoder**

- Decoders is programmable at controller to any station number from 1-16 and MV/PS.
- Decoder has two red wires to connect to system two wire field path and two black wires to connect to any standard 24VAC solenoid
- Decoder to be shipped with two approved waterproof wire connectors to be used for connections to two wire path
- Decoders to be shipped 16 per container with identification tags #1-#16 and MV/PS
- Decoder are purchased separate from Controller.

**HIT-LOGIC PLUS 2-WIRE DECODER BASED TECHNOLOGY CONTROLLER**



**LOGIC PLUS 2-WIRE TECHNOLOGY CONTROLLER**

- Available in 2 Models: Logic Plus 42S, Logic Plus 128S.
- 42station capability/128 station capability.
- 8 Programs/16 programs.
- 8 start times per program/16 start times per program.
- Looping feature on program 6 and remote sensor relay to activate program 6.
- 1 minute to 10 hr 59 minutes run time per station (all programs except 5 and 6 which are 1 second to 59 minutes 59 seconds).
- Water budget 0-250% (5% increments) increasing run times per station to over 24 hours.
- Semi automatic and programmable manual operations.
- Programmable pause between stations per program 0-59 seconds.
- Programmable rain delay up to 31 days.
- Programmable master valve.
- Fertigation control relays with fertigation programming,
- Date/leap year sensitive scheduling options weekly,1-28 day interval.
- Odd/even calendar day capabilities.
- Programmable test cycle.
- “Bonus back” technology allows programs to immediately continue on schedule after power outage.
- Radio remote ready.
- Program start input.
- Clear function for each independent programmer entire controller.
- Displays real time operation.
- Up to 8 valves may operate simultaneously, same or different valve numbers.
- 4 field wire outputs, wire run lengths up to 3.6 km each in four different directions.
- Field wires may be installed with tee, crosses and star wire configurations.
- Each valve has dedicated unique programmable receiver.
- Receivers can be programmed at controller or by way of portable programming unit, Model #LP-HHRP.
- Compatible with any standard 24 VAC industry solenoid.
- Equipped with modular, replaceable surge protection package.
- Short wire and short valve sensing capabilities.
- Easy wire trouble shooting procedures.
- Locking stainless steel enclosure,wall mount or pedestal options.
- Capable to operate 3 Master Valves or pumps simultaneously.

**TWIST GEL CONNECTOR**  
**Waterproof Wire Connector (8-12 Gauge)**



A 'Twist Gel Connector' is a device used to connect 2 or 3 electric wires (depending on wire gauge).

**Features and Benefits**

- Pre-filled with dielectric silicon grease (gel) which makes it waterproof.
- It is made up of corrosion-proof PP material.
- The current will not flow out from it.
- The temperature at the joint will not rise due to gel & spring locking arrangement.
- External cap makes it dust proof.

**Applications**

Twist gel connector can be used anywhere where connecting the wires is required like,

- Industrial
- Residential
- Irrigation
- Landscape, Turf etc.

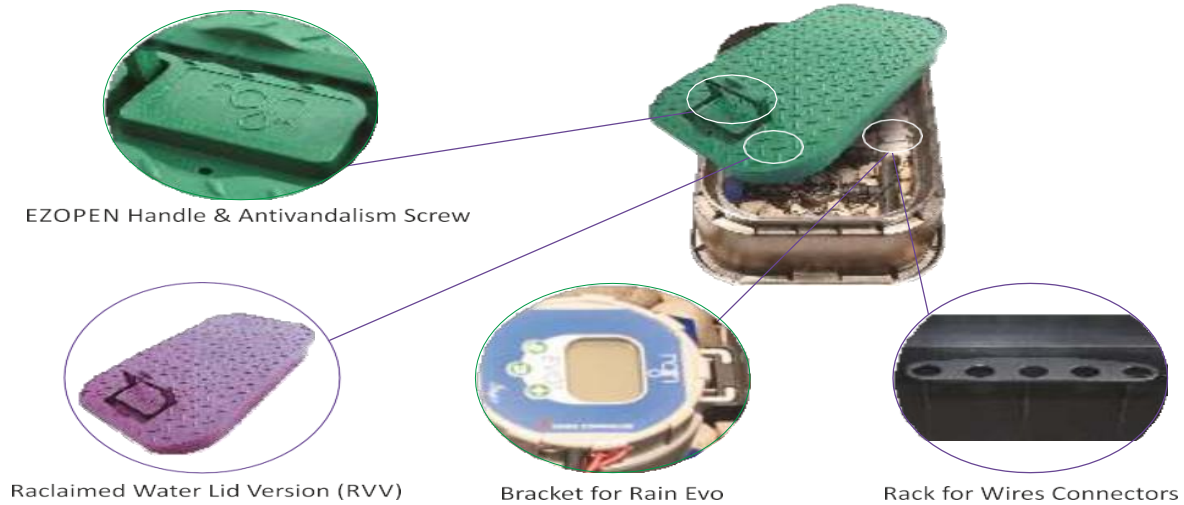
**Technical Specifications**

- Max. Voltage: 600V
- Wire Type: Copper/Copper, Do not use on Aluminium wire
- Wire Range: Min #22/Max #8 gauge

Dimensions (mm)	Color	Electrical Ratings & Wire Range
	Blue (+Red)	600V Max 105°C (221°F) 20-10 AWG, Cu
	<ul style="list-style-type: none"> <li>➤ Live-action square wire spring provides secure and long lasting connections.</li> <li>➤ Silicone sealant (gel) protects against moisture and corrosion.</li> <li>➤ Entry cap retains silicone sealant (gel).</li> </ul>	

**Warning!**  
Not to Be Used in Continuous Submersion Applications

## Rain-Italy-VALVE BOXES



Size (6" and 10")

### Rain Round Valve Boxes

Rain family of round valve boxes is studied to face all the needs of the professional. They are easy to install, strong and they are engineered to maintain their integrity (horizontal and vertical) under load even with the cover removed.

- PZC RN 15D. 148/240 X H 230mm
- PZC RN 25D. 243/330 X H 260mm
- Material: 100% polypropilene



Size (12", 20" and 24")

### Rain Rectangular Valve Boxes "EzOPEN"

Rain is proud to introduce a new line of Valve Boxes with "EzOPEN" handle. The new valve box is opened by simply lifting and pulling a discreet handle embedded in the lid. Each valve box has an anti vandal bolt for additional security.

A specially designed model bracket inside the box allows easy tidy wire installation to fit Rain Evo battery controller.

This is a unique, patented product in the irrigation market.

Valve boxes available in standard rectangular 12 In. And Junbo 20 In.

- PZRM 113 12 IN: 520X400X330 mm
- PZRM 115 20 IN: 670X490X330 mm
- Material: 100% polypropylene
- UNIEN 124 A class A 15 (Peak load > 15Kn)

## Rain-Italy-RAIN SENSOR



### Rain Sensor

- Rain STOP is an electronic rain sensor.
- All its components are high quality electronics from Japan.
- Its working principle is studied to start to work immediately in case of rain.
- Rain stop stops irrigation as soon as 4 mm of precipitation are reached, preventing the irrigation system from working while it is raining.

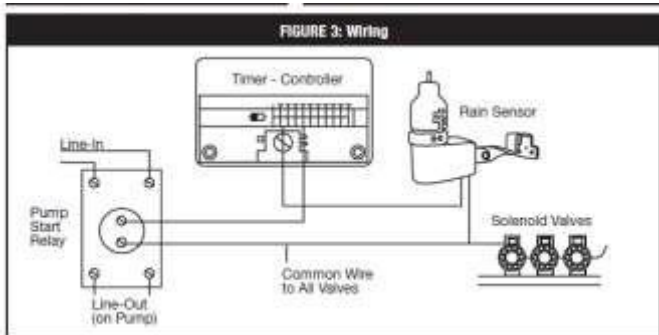
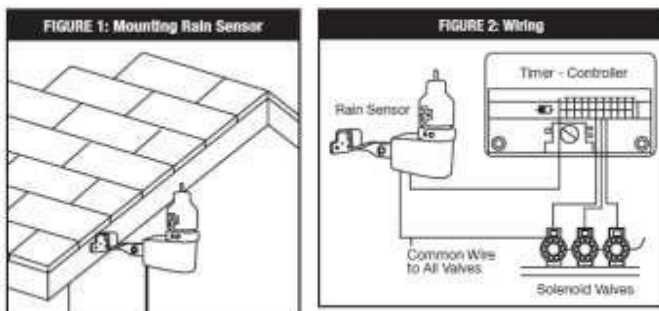
### Two different models of Rain stop are available:

- Rain stop 3 wires and Rain stop 4 wires.
- Rain stop 3 (three) wires allows to connect a rain sensor to all 24 vac controllers as it is not needed for its installation to have sensor dedicated port, on the controller.
- rain stop 4(four) wires is the professional rain sensor for the 24 vac controllers equipped with sensor control feature.

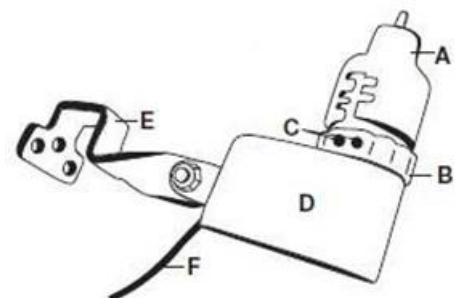


### R 200 (Gutter & Surface Mount Rain Sensor)

- During rainfall, hygroscopic discs absorb the water and after a set amount of rain has fallen, the sensor engages a switch that will prevent the controller from watering. Once the rain sensor has dried sufficiently, the sensor allows normal sprinkler operation.
- For use with all types of 24Volt.
- Available in 2 mounting options:
  - Rain Gutter
  - Flat Surface



- A Cap
- B Vent Ring
- C Ventilation Holes
- D Housing
- E Mounting Bracket
- F 24 VAC Wire To Controller



**2-Wire Decoder Controller**  
**K-Rain-SITE MASTER**



**Features**

- Number of stations: Up to 99
- Weather station capable
- Connect up to 2 hard-wired flow meters and 3 additional meters
- Attached to decoders in the field
- Upgradeable to internet mode by simply adding the 3404 Network Module to be the interface between your router (cellular or Wi-Fi) and the Site Master controller.
- Rain sensor and rain/freeze sensor ready
- 6 independent programs with 6 start times each
- Full on-screen keyboard makes naming and programming easy and intuitive
- Advanced diagnostics include interactive fault log, decoder signal strength/status
- Largest screen in the industry displays run times, watering days, number of start times
- Two fully independent wire paths for easy layout design and trouble shooting
- Special features include seasonal adjust, station/zone grouping, program backup and restore
- Station delay/overlap and pump pressurization allows dual operation and pressurization for each of 5 separate pump start locations
- Vandal-resistant lockable housing

**Operating Specifications**

- Station Run Times: 1 second to 9:59:59 Programs A, B, C, D, E, & F
- Start Times: 6 per program
- Watering Schedule: 7 Day Calendar (any day of the week),  
 Odd/even days, interval watering up to 31 days
- Operating Temperature: 0°-140° F (18°-60° C)
- Zone Capacity: 99 zone groups limited to 6 zones and 1 MV/PS  
 Per primary line. Add up to 12 zones (A and B total).
- Pump Start Requirements: Pump Starts wired directly to the Controller require a K-Rain 1520 or 1510 mini coil power relay.  
 Remote pump start relays on the 2-wire path require a K-Rain 3410 Optical Pump Start Relay in conjunction with a K-Rain 1520 or 1510 mini coil power relay.

**Electrical Specifications**

- 2-Wire transformer; Input: 120/240 50/60 Hz Max Output:  
 27 VAC 100VA 3.7 AMP
- Mid box Transformer; Input: 120/240 50/60 Hz Max Output:  
 24 VAC 40VA 1.71 AMP
- Battery: 2032 Coin Cell (included)
- 9V alkaline battery (optional, not included)

**K-Rain-ADJUSTABLE ARC NOZZLE-FOR SPRAY POP-UPS  
KVF NOZZLES**

K-Rain's KVF Adjustable Nozzles have a female thread configuration  
To fit NP Spray and PRO-S spray bodies


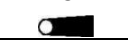




Models	
KVF Nozzles	
KVF - 2	8" Spray, Green
KVF - 10	10" Spray, Blue
KVF - 12	12" Spray, Brown
KVF - 15	15" Spray, Black
KVF - 17	17" Spray, Gray

How to specify	
KVF - 15 ↓ Model Number	15' Black ↓ Description

8' GREEN    10' BLUE    12' BROWN    15' BLACK    17' GREY – KV ONLY

Metric										
PRESSURE	8' GREEN		10' BLUE		12' BROWN		15' BALCK		17' GREY - KV ONLY	
ARC	Radius (mtr)	Flow (ltr/min)	Radius (mtr)	Flow (ltr/min)	Radius (mtr)	Flow (ltr/min)	Radius (mtr)	Flow (ltr/min)	Radius (mtr)	Flow (ltr/min)
90	2.7	1.5	2.7	1.5	3.0	1.7	4.0	2.1	5.2	3.0
	2.7	1.6	2.7	1.6	3.4	2.0	4.3	2.4	5.5	3.6
	3.0	1.7	3.0	1.7	3.7	2.1	4.6	2.6	5.8	4.0
	3.0	1.9	3.0	1.9	3.7	2.3	4.9	3.0	5.8	4.9
180	2.7	3.8	2.7	3.8	2.7	4.2	4.0	4.9	5.2	6.4
	2.7	4.2	2.7	4.2	3.0	4.6	4.3	5.6	5.2	7.3
	3.0	4.5	3.0	4.5	3.0	5.1	4.6	6.2	5.8	8.1
	3.0	4.7	3.0	4.7	3.4	5.8	4.9	7.6	5.8	9.5
270	2.7	6.1	2.7	5.3	2.7	6.1	4.0	7.2	4.9	9.1
	3.0	6.6	3.0	6.0	3.0	6.6	4.6	8.1	4.9	10.7
	3.0	7.4	3.0	6.6	3.0	7.4	4.6	8.9	5.2	11.4
	3.4	7.8	3.0	7.8	3.4	7.8	4.9	10.2	5.5	13.2
360	2.7	8.7	2.7	8.7	2.7	9.1	4.0	10.6	4.9	11.0
	3.0	9.5	3.0	9.5	3.0	9.9	4.3	12.3	5.2	12.9
	3.0	10.0	3.0	10.0	3.4	10.5	4.6	13.6	5.2	14.4
	3.4	10.4	3.4	10.4	3.7	11.5	4.6	15.5	5.2	16.7

SPECIAL PATTERNS				
PATTERN	NUMBER	PRESSURE (kg/cm <sup>2</sup> )	RADIUS (mtr)	FLOW (ltr/min)
 CENTER STRIP	15CS / FN15CS	1.5	1.2 X 7.3	3.0
		2.0	1.2 X 9.1	3.8
 END STRIP	15ES / FN15ES	1.5	1.2 X 7.3	1.5
		2.0	1.2 X 4.6	1.9
 SIDE STRIP	15SS / FN15SS	1.5	1.2 X 8.5	4.2
		2.0	1.5 X 9.8	4.9
 HIGH LOW	15HL / FN15HL	1.5	4.3 X 1.2 X 8.0	9.5
		2.0	4.6 X 1.5 X 9.8	11.4

Data represents test results in zero wind. Adjust for local conditions. Radius may be reduced with nozzle retention screw.

**K-Rain-RN SERIES ROTARY NOZZLES**



**Features**

- Water savings- up to 30% more efficient than conventional sprays.
- Low application rate- reduces runoff on slopes and with clay soils.
- High uniformity- outstanding coverage, eliminates brown spots.
- Matched precipitation- across every arc, pattern and radius. Mix and match with traditional rotors
- Multiple stream technology- beautiful to watch, wind-resistant
- Color Coding- Indicates one of six radius options, easy identification.
- Adjustable Arc and Strip Patterns- Infinite control for all circular patterns from 80° to 360° plus innovative solutions for narrow strips
- Viscous Control- Only one moving part, patent-pending.
- Flow Control- Allows radius adjustment of up to 25%
- Outstanding Dirt Tolerance- Secondary pop-up provides added protection
- Fits a Standard Spray Body- Threads onto a standard pop-up spray body
- Optional pressure regulated body- Pro-S pop-up spray body with 40 PSI pressure regulator and innovative rotary nozzle guard.

Performance Data - Adjustable and Fixed Patterns RN100-ADJ-90-270 (MEDIUM GREEN)					
ARC	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate *	
				square (mm/hr)	Triangular (mm/hr)
90	2	3.96	0.83	13	15
	2.5	4.27	0.91	12	13
	2.8	4.27	0.94	12	14
	3	4.27	1.10	12	14
	3.5	4.27	1.13	13	15
180	2	3.96	1.66	13	15
	2.5	4.27	1.78	12	13
	2.8	4.27	1.89	12	14
	3	4.57	2.19	12	14
	3.5	4.57	2.27	13	15
270	2	3.96	2.50	13	15
	2.5	4.27	2.69	12	13
	2.8	4.27	2.84	12	14
	3	4.57	3.25	12	14
	3.5	4.57	3.40	13	15



RN100-FIX360 (LIGHT GREEN)					
ARC	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate *	
				square (mm/hr)	Triangular (mm/hr)
360	2	3.96	3.33	13	14
	2.5	4.27	3.56	12	13
	2.8	4.27	3.78	12	14
	3	4.57	4.35	12	14
	3.5	4.57	4.54	13	15

\*Data represents test results in zero wind. Adjust for local conditions.





Performance Data - Adjustable and Fixed Patterns RN200-ADJ-90-270 (MEDIUM BLUE)					
ARC	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate *	
				square (mm/hr)	Triangular (mm/hr)
90	2	4.87	1.29	13	15
	2.5	5.18	1.44	13	15
	2.8	5.48	1.55	12	14
	3	5.79	1.59	11	13
	3.5	5.79	1.78	13	15
180	2	4.87	2.53	13	15
	2.5	5.18	2.84	13	15
	2.8	5.48	3.14	12	14
	3	5.79	3.18	11	13
	3.5	5.79	2.56	13	15
270	2	4.87	3.82	13	15
	2.5	5.18	4.28	13	15
	2.8	5.48	4.69	12	14
	3	5.48	4.77	13	15
	3.5	5.79	5.34	13	15

RN200-FIX360 (LIGHT BLUE)					
ARC	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate *	
				square (mm/hr)	Triangular (mm/hr)
360	2	4.87	5.07	13	15
	2.5	5.18	5.68	13	15
	2.8	5.48	6.24	12	14
	3	5.79	6.36	13	15
	3.5	5.79	7.11	14	16

RN300-ADJ-90-270 (MEDIUM GREY)					
ARC	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate *	
				square (mm/hr)	Triangular (mm/hr)
90	2	7.92	3.03	11	13
	2.5	7.92	3.22	12	12
	2.8	8.23	3.4	12	12
	3	8.53	3.59	11	13
	3.5	8.53	3.78	11	13
180	2	7.92	5.3	11	13
	2.5	8.23	5.68	11	12
	2.8	8.23	6.05	12	12
	3	8.84	6.43	10	12
	3.5	9.14	6.81	10	12
270	2	7.92	9.27	11	13
	2.5	8.23	9.65	11	12
	2.8	8.53	10.41	11	13
	3	8.53	10.98	11	13
	3.5	8.23	11.73	12	14



RN300-FIX360 (LIGHT GREY)					
ARC	Pressure (kg/cm <sup>2</sup> )	Radius (mtr)	Flow Rate (ltr/min)	Precipitation Rate *	
				square (mm/hr)	Triangular (mm/hr)
360	2	7.92	11.73	11	13
	2.5	8.23	12.11	11	12
	2.8	8.53	13.25	11	13
	3	8.53	13.43	11	13
	3.5	9.1	14.00	11	12

Performance Data - Special Patterns				
PETTERNS	NOZZLE	PRESSURE (kg/cm <sup>2</sup> )	WIDTH X LENGTH Meters	FLOW RATE L/M
Right Eng Strip [Icon]	RNS-RES-515 Burnt Orange	2	1.22x4.6	1.14
		2.5	1.5x4.6	1.21
		2.8	1.5x4.6	1.32
		3	1.8x4.9	1.43
		3.5	1.8x4.9	1.51
Left End Strip [Icon]	RNS-IES-515 Olive	2	1.22x4.6	1.14
		2.5	1.5x4.6	1.21
		2.8	1.5x4.6	1.32
		3.5	1.8x4.9	1.51
Side Strip [Icon]	RNS-sS-530 Brown	2	1.22x8.8	1.8
		2.5	1.5x9.1	2.08
		2.8	1.5x9.1	2.30
		3.5	2.1x9.7s	2.64

\*Data represents test results in zero wind, Adjust for local a conditions.

**AQUATURF POP-UP IMPACT SPRINKLER  
HT – 405**



**Features**

- Interchangeable, bayonet color coded nozzles.
- Heavy-duty plastic case with reinforced ribbed design for excellent gripping.
- Adjustable to full-circle or part circle.
- Diffuser screw for fine droplets & throw control
- Double-weighted arm for balance and smooth rotation
- Sand resistant pressure activated wiper seal
- Excellent distribution uniformity.
- ½" & ¾" female threaded bottom inlet & ½" female threaded side inlet
- Having provision of bottom inlet filter.

**Applications**

Pop-up sprinkler for underground installation in landscaping.  
Residential park, public lawn irrigation

**Specifications**

- Discharge 456-1192 L/H
- Diameter 22.5-25.5 mtr
- Operating pressure 2.0-4.0 kg/cm<sup>2</sup>
- Bottom Inlet connection ½" & ¾" female threaded
- Nozzles available in sizes 2.9, 3.2, 3.5 & 4.0 mm
- Trajectory Angle 25
- Full-circle (360) OR  
Part circle (adjustable arc from 15° to 345°)
- Spacing between sprinkler up to 12m for excellent uniformity



Performance Data			
Nozzle size-color	Pressure (Kg/cm <sup>2</sup> )	Flow rate (L/H)	Diameter (mtr)
2.9 Orange	2.0	456	22.5
	2.5	509	23.5
	3.0	559	23.8
	3.5	604	24.0
	4.0	646	24.5
3.2 Green	2.0	565	22.8
	2.5	636	23.8
	3.0	700	24.5
	3.5	755	25.0
	4.0	805	25.2
3.5 Blue	2.0	680	23.0
	2.5	760	24.0
	3.0	845	24.8
	3.5	905	25.3
	4.0	975	25.5
4.0 Black	2.0	965	23.2
	2.5	960	24.0
	3.0	1042	25.0
	3.5	1125	25.5
	4.0	1192	25.5

\*Performance is based on ideal conditions of Temperature, Wind Velocity and Humidity.  
Standard Nozzle Size

**Large Radius GEAR DRIVE POP-UP  
SIME-9PGP – PLAY GROUND POP-UP**



2" Female Threaded Connection

**Features**

- Uniform water distribution
- Smooth gear drive operation
- Large radius reduces heads on playing surface
- Pop-Up sprinkler for large gardens and parks, manufactured with shock proof outer case and rubber cover.
- Technically built as a turbine big irrigun, it gives a long radius, and it is particularly suitable for golf courses, (can be possible one-two only sprinkler each green), and football grounds.
- The external spinner and the jet-breaker, grant the best water-distribution.
- The Sprinkler arc works with low or high pressures and can mount nozzles from 16 to 24 mm diameter.
- Best Suited for golf courses, Stadium and Big Parks
- Low operating pressure -> Low HP Pump Set -> Low Operating Cost
- Low Filtration Cost -> Low Initial Cost -> Low Maintenance.
- Less Number of Sprinklers per unit area, there by lower system cost
- Precipitation Rate 6.8 - 8.8 mm per hour.
- Jet Length 29.5 mtr - 48.5 mtr.
- Rubber covered cap for player protection.
- Optional synthetic turf top available

**Applications**

- Football, Hockey, Cricket, Rugby, Synthetic Turf & Golf courses

**Specifications**

- Maximum operating pressure range 3.0 – 8.0 kg/cm<sup>2</sup>
- Discharge range 314 – 1084 ltr/min
- Radius range 29.5 – 49.5 meters
- Precipitation rate range 6.8 – 8.8 mm per hour



## Rain-Italy-C-DAIL



### Features

- 2 program
- 2 Start time per program
- Run time: 1 -240 min
- Watering frequency: 7 days calendar with individual day selection
- Water Budgeting from 10% to 200%
- Next irrigation indication
- Watering countdown
- Low battery function

### Applications

- For small Residential Applications
- For landscape Green Areas divided in 4 to 6 Zones

### Specifications

- 4 and 6 zones
- External Transformer
- Electrical Power Supply: 220 VAC 50-60 Hz
- Electrical Outputs: 24 Volts AC,
- 0.8 AMP
- Master Valve/Pump 24 VAC output
- Power failure: 2x1.5 volt AA Alkaline battery permanently maintains clock. (not included)
- Rain sensor input
- Reset button
- Clear button
- Permanent Memory: it saves programs during power outages



## Rain-Italy-I-DIAL INDOOR & OUTDOOR



### Features

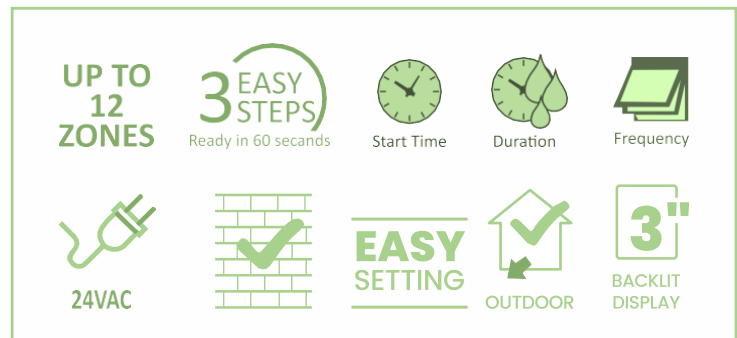
- 4 programs
- 4 Start times (1 per each program)
- Run time: 1 -240 min
- Watering frequency: 7 days calendar with individual day selection
- Water Budgeting from 10% to 200%
- SENS START: Rain Sensor Input, programmable per each station
- PUMP START: pump relay input, programmable per each station
- Next irrigation indication
- Watering countdown
- Low battery function

### Applications

- For Small & Medium Residential Applications
- For Landscape Green Areas divided in 4 to 12 Zones

### Specifications

- 4, 6, 8 and 12 zones
- External Transformer
  - Electrical Power Supply: 220 VAC 50-60 Hz
  - Electrical Outputs: 24 Volts AC, 0.8 AMP
- Master Valve/Pump 24 VAC output
- Power Failure: 2x1.5 volt AA alkaline battery permanently maintains clock. (not included)
- Rain sensor input
- Wide backlit LCD display
- Permanent Memory: it saves programs during power outages



## Rain-Italy-I-DIAL R OUTDOOR



### Features

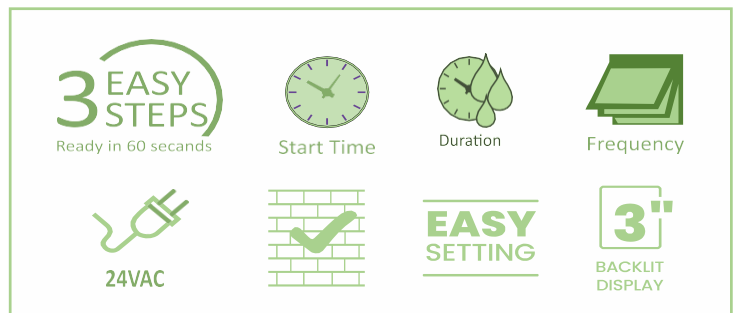
- 4 programs
- 4 Start times (1 per each program)
- Run time: 1 -240 min
- Watering frequency: 7 days calendar with individual day selection or 1 to 19 days interval watering
- Water Budgeting from 10% to 200%
- SENS START: Rain Sensor Input, programmable per each station
- Next irrigation indication
- Watering countdown
- Low battery function

### Applications

- For Small & Medium Residential Applications
- For Landscape Green Areas divided in 4 to 12 Zones

### Specifications

- 6 and 8 zones
- Rechargeable Battery: Li-ion 18650 2000mAh 3.6V
- Controls latching solenoids 9 Vdc valves
- Protective cover
- Rain sensor input
- Wide backlit LCD display
- Permanent Memory: it saves programs during power outages
- Compatible with Luce and Turbina vision for recharge



**24 Vac Bluetooth wall-mounted control  
Unit Up to 16 zones  
Rain-Italy-ZENIT VISION**



The Zenit Vision control unit is designed for the management of medium to large installation with up to 16 zones.

The flexibility of programming via App and analogue guarantees a high degree of programming flexibility, covering needs ranging from domestic to agricultural installation.

By connecting the control unit to the Nuvola Vision device, you will have access to all the Smart features of the vision system for plant monitoring via the internet.

The control unit is completed by two dedicated outputs for managing the pump control via relay and the master valve. Furthermore, via App it will be possible to convert the zone 1 output into a fertiliser output for managing fertigation.

Vision is a 100% designed in Italy, by Rain's R&D department. The entire design, development and testing phase takes place within our company, which is committed to maintaining high quality and



**Features**

- Programming interface: Rain Vision APP
- Number of programmes: 4
- Start times per program: 6
- Run time min/max: from 1 to 480 min
- Watering frequency: Intervals – Weekly – Odd / Even Days – calendar
- Function ON/OFF: general - programs – days – zones
- Pause from 1 to 300 days
- Pump Control Function programmable by zone
- Master Valve Function programmable by zone
- Fertigation Function
- Budget: 10% to 200%
- Rain Sensor Input programmable by zone
- Zone delay from 0 to 240 seconds

**Specifications**

- Controls solenoids: 24 Vac valves
- Number of Zones: 6, 8, 12 e 16
- Centralia per esterni (outdoor)
- Internal Transformer Electrical Power Supply: 220 VAC 50-60 Hz
- Electrical Outputs: 24 Volts AC, 1.25 AMP
- Connectivity: Bluetooth 5.0
- Compatible with Nuvola WiFi Vision for Wi-Fi 2.4 Ghz connection
- Built-in rechargeable back up battery for time keeping (7 days)
- Permanent Memory: it saves programs during power outages



- The Zenit Vision control unit can be programmed either conventionally with the navigation dial or via the Vision App via Bluetooth.
- Zenit Vision is compatible with Nuvola Vision which allows programming and management of the irrigation system via the internet.
- The powerful 1.25 A transformer enables the control of the pump, master valve and fertiliser at the same time.

Feature-packed, user friendly and now a Wifi-Ready controller.

**K-Rain-PRO-LC**



**Features**

- Easy to follow programming
- large LCD display
- patented full program display feature shows days, start times, number of stations and special programming
- Wifi requires the BRIDGE Wifi Module, sold separately
- Rain sensor and rain/freeze sensor ready
- Seasonal adjust
- Buried valve locator
- Built-in Level Makes leveling the unit easy.

**Operating Specifications**

- Station Run Times: 1 minute to 6 hours
- Number of Programs: 3
- Number of automatic Start Times: 4 per program
- Program Watering Schedules: Odd (odd calendar days), Even (even calendar days), Custom (day of the week)
- Interval 1-31 days

**Electrical Specifications**

- Power Input: 110V AC, 50/60Hz 240V AC, 50/60Hz
- Power Output: 24V AC 1.0Amp
- Power Backup: Lithium coin-cell battery maintains time and date during primary power outages.



Introducing the new Pro LC BRIDGE - a feature-packed controller device that can be managed from your smart device using WIFI technology.

- The PRO-LC is available in 4, 8 and 12 stations and in indoor and outdoor models. Add the new PRO-LC BRIDGE (sold separately) and this feature-packed controller can be managed from your smart device using WIFI technology.
- A full program screen display listing watering days, number of start times, number of stations and special programming.
- Large LCD display; rain/freeze sensor compatibility.
- Lighting feature allows you to create a start time and run time to operate a lighting system.
- Weather IQ uses local weather conditions to bypass the irrigation schedule in wet conditions.
- Seasonal adjust for water conservation.



## Modular Irrigation Controller Kit K-rain-PRO EX 2.0 WIFI



Pro EX 2.0 (4-16 Station)

### Features and Benefits

- Hot-Swappable 4 station Modules – Simple controller upgrades from 4 to 16 stations while controller is in operation.
- Large Backlist LCD Screen – Permits maximum viewing for all installations.
- AM/PM or 24 Hour Clock Setting – Allows user to choose the time format desired.
- Full Program Screen Display – Watering days, number of start times, number of stations and special programming.
- Flexible Operation – Manual or remote operation.
- System Test – Allows a full system check for valve operation.
- Manual Start – Allows Manual program operation at the push of a button.
- Wire Management System – Vertical station terminal strips allows full use of cabinet.
- Permanent Memory – Non-volatile memory saves program during power outages.
- Wireless Module Connector – Allows for optional installation of wireless communication.
- Diagnostic Circuit Breaker – Identifies and isolates stations with valve or wiring problems while remaining program continues.
- Advanced Diagnostic – Visual and/or audible alerts when programming errors or other conditions have been detected and are preventing operation.
- Locate Feature – Aids in locating buried valves in field.
- Station Delay/Overlap – Permits additional time between stations or dual operation for everyday hydraulic issues like well recovery, slow closing valves and water hammer.

### Electrical Specifications

- Power Input: 110VAC + 10% 60Hz, 240V AC + 10% 50Hz
- Power output: 24V AC 1.25 Amp
- Power Backup: Lithium coin-cell battery maintains time and date during primary power outages, 4 AAA batteries allow for remote programming and LCD viewing.
- Multi-Valve Operation: Up to three 24V AC, 7 VA solenoid valves

### Operating Specifications

- Station Run Times: 1 second to 6 hours for all stations.
- Number of Programs: 3
- Number of Automatic Start Times: 4 per program
- Program Watering Schedules: Custom (day of the week), Interval (1-31 days), Odd (odd calendar days), Even (even calendar days)

The Pro EX 2.0 Wi-Fi Enabled Controller offers proven power and functionality with the convenience of world-wide control through your smart phone, tablet or web browser!

K-Rain has transformed the robust, reliable, feature-packed Pro EX 2.0 into an intelligent, multi-tasking, productivity enhancing tool every contractor will want! Easily and securely sync with homeowners' or business' WiFi, manage multiple accounts and increase your productivity tenfold! You will appreciate the easy programming and installation too!





