

### CONTROLLER POWER WIRE SIZING WORKSHEET

	PAR+ES	PAR+ES LINK WITH RADIO	PAR+ES SAT DECODER**	PAR+ES SAT DECODER LINK WITH RADIO**	ESC-1	ESC-1 LINK WITH RADIO
Input (VAC)**	117	117	117	117	117	117
Output (VAC)	26.5	26.5	26.5	26.5	26.5	26.5
Maximum Rain Bird Solenoids at 60 Hz (50 Hz)						
Per Clock	16 (12)	16 (12)	16 (12)	16 (12)	9	9
Per Station	4	4	2	2	2	2
AMP Draw at Rest	0.15	0.17	0.235	0.250	0.18	0.20
1	0.22	0.24	0.250	0.265	0.30	0.32
2	0.30	0.32	0.258	0.273	0.42	0.44
3	0.37	0.40	0.264	0.281	0.54	0.56
4	0.45	0.47	0.272	0.289	0.66	0.68
5	0.52	0.54	0.280	0.297	0.78	0.80
6	0.60	0.62	0.288	0.305	0.90	0.92
7	0.67	0.70	0.296	0.313	1.02	1.04
8	0.75	0.77	0.304	0.321	1.14	1.16
9	0.82	0.84	0.312	0.329	—	—
10	0.90	0.92	0.320	0.337	—	—
11	0.97	0.99	0.328	0.345	—	—
12	1.05	1.07	0.336	0.353	—	—
13	1.12	1.14	0.344	0.361	—	—
14	1.20	1.22	0.352	0.369	—	—
15	1.27	1.29	0.360	0.377	—	—
16	1.35	1.37	0.368	0.385	—	—

### FEATURE COMPARISON

	PAR+ES	PAR+ES SAT DECODER	ESC-1
# Stations	16–72, 8	Up to 72 decoder addresses	16, 24, 40
Communication Options	Standalone, Hardwire and Radio	Standalone, Hardwire and Radio	Standalone, Hardwire and Radio
Central Control	All RB Centrals	All RB Centrals	All RB Centrals
Max Output at 60 Hz	5 Amp, 16 solenoids	5 Amp, 16 solenoids	3 Amp, 9 solenoids
# Programs	6 automatic, 2 manual	8 automatic, 1 manual, 48 individual station schedules	4 automatic
Program Start Times	12 per program	12 per program	8 per program
Programming Cycle	Weekday, Variable (up to 9)	Weekday, Variable (up to 31)	Even Day, Odd Day, Weekday, Variable (up to 31)
Water Adjust	0–200%, 10%	0–200%, 5%	0–300%, 1%
Surge Protection	Premium	Premium	Heavy-Duty
Pedestal Options	Large Plastic Pedestal	Large Plastic Pedestal	Large Plastic Pedestal
Pedestal Color Options	Gray or Green	Gray or Green	Gray
Max Station Run Times	2 Hours	4 Hours	12 Hours
Sensors	Yes	Yes	Yes
Master Valve	Yes	Yes	1 automatic and second set by station

\*Includes Master Valve.

\*\*Considering 72 decoders installed.

NOTE: Total AMP DRAW in chart is based on 117 VAC input. For 220/240 VAC input controllers, use 50% of amp draw shown in chart.