

Electronic Controls Reference Guide

Lighting Controls | Surge Protection | Weatherproof | Photocontrols | Timers | HVAC/R | Pool & Spa

Intermatic Incorporated
7777 Winn Road
Spring Grove, IL 60081
(815) 675-2321

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Electronic Controls

Intermatic offers a full line of 24-hour, 7-day, and dusk-to-dawn astronomic Electronic Time Controls to satisfy nearly any price point, schedule, or feature set that may be needed to fulfill a customer's needs.

The Basic Series handles simple schedules; the Basic Plus Series accommodates basic schedules that also require some tweaks, such as holidays or special events; and the Advanced Series can automate even the most demanding and constantly changing schedules.

From straightforward 24-hour, to 7-day with off-day and holiday exceptions, to complex 365-day advanced BEMS integration, we are working diligently to ensure that simple and affordable controls are available to meet all of your application needs.

24-Hour or 24-Hour/365-Day Scheduling Selection

Features:	ET1105C	ET2105C	ET1105CPD82	ET2105CP	ET1105CR	ET2105CR	ET1115C	ET2115C	ET1115CPD82	ET2115CP
# Circuits	1	1	1	1	1	1	1	1	1	1
Auto-Voltage	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Voltage	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
Switch Rating	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A
Switch Type	SPST	SPST	SPST	SPST	SPST	SPST	SPDT	SPDT	SPDT	SPDT
Pulse	No	No	No	No	No	No	No	No	No	No
Holidays	0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks
USB Port	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
LED Compatible	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)
Enclosure	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic
Auto DST Adj.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
# Set Points	28	96	28	96	28	96	28	96	28	96
Backup	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap
Warranty	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year
Mech-Only Avail.	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Ethernet Port	No	No	No	No	No	No	No	No	No	No
Two-Hour Override	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Remote Override	No	No	No	No	No	No	No	No	No	No

ET1115CR	ET2115CR	ET1125C	ET2125C	ET1125CPD82	ET2125CP	ET1125CR	ET2125CR	ET2145C	ET2145CP	ET2145CR
1	1	2	2	2	2	2	2	4	4	4
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes
120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A
SPDT	SPDT	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST
No	No	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)
0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks	50 Blocks	50 Blocks	50 Blocks
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)
NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Metal
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28	96	56	96	56	96	56	96	96	96	96
3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap
1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	2-Year	2-Year	2-Year
Yes	No	Yes	No	Yes	No	Yes	No	No	No	No
No	No	No	No	No	No	No	No	No	No	No
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	
No	No	No	No	No	No	No	No	No	No	No

7-Day or 7/365-Day Scheduling Selection

Features:	ET1705C	ET2705C	ET1705CPD82	ET2705CP	ET1705CR	ET2705CR	ET1715C	ET2715C	ET1715CPD82	ET2715CP
# Circuits	1	1	1	1	1	1	1	1	1	1
Auto-Voltage	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Voltage	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
Switch Rating	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A
Switch Type	SPST	SPST	SPST	SPST	SPST	SPST	SPDT	SPDT	SPDT	SPDT
Pulse	No	No	No	No	No	No	No	No	No	No
Holidays	0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks
USB Port	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
LED Compatible	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)
Enclosure	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic
Auto DST Adj.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
# of Set Points	28	96	28	96	28	96	28	96	28	96
Backup	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap
Warranty	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year
Mech-Only Avail.	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Ethernet Port	No	No	No	No	No	No	No	No	No	No
Two-Hour Override	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Remote Override	No	No	No	No	No	No	No	No	No	No

ET1715CR	ET2715CR	ET1725C	ET2725C	ET1725CPD82	ET2725CP	ET1725CR	ET2725CR	ET2745C	ET2745CP	ET2745CR
1	1	2	2	2	2	2	2	4	4	4
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes
120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	1 20-277 VAC
30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A
SPDT	SPDT	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST
No	No	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)
0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks	50 Blocks	50 Blocks	50 Blocks
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes
Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3A Per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)
NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Metal
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28	96	56	96	56	96	56	96	96	96	96
3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap
1-Year	2-year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	2-Year	2-Year	2-Year
Yes	No	Yes	No	Yes	No	Yes	No	No	No	No
No	No	No	No	No	No	No	No	No	No	No
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes
No	No	No	No	No	No	No	No	No	No	No

7-Day or 7/365-Day Scheduling with Astronomic Feature Selection

Features:	ET8015C	ET2805C	ET8015CPD82	ET2805CP	ET8015CR	ET2805CR	ET8115C	ET2815C	ET8115CPD82	ET2815CP
# Circuits	1	1	1	1	1	1	1	1	1	1
Auto-Voltage	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Voltage	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
Switch Rating	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A
Switch Type	SPST	SPST	SPST	SPST	SPST	SPST	SPDT	SPDT	SPDT	SPDT
Pulse	No	No	No	No	No	No	No	No	No	No
Holidays	0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks
USB Port	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
LED Compatible	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)
Enclosure	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic
Auto DST Adj.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
# Set Points	28	96	28	96	28	96	28	96	28	96
Backup	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap
Warranty	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year
Mech-Only Avail.	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Ethernet Port	No	No	No	No	No	No	No	No	No	No
Two-Hour Override	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Remote Override	No	No	No	No	No	No	No	No	No	No

ET8115CR	ET2815CR	ET8215C	ET2825C	ET8215CPD82	ET2825CP	ET8215CR	ET2825CR	ET2845C	ET2845CP	ET8415CR	ET2845CR
1	1	2	2	2	2	2	2	4	4	4	4
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes
120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A	30 A
2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	2 x SPST or DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST	4 x SPST or 2 x DPST
No	No	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)	Yes (2-Sec)
0	50 Blocks	0	50 Blocks	0	50 Blocks	0	50 Blocks	50 Blocks	50 Blocks	0	50 Blocks
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	No	Yes
Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (3 A Per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)	Yes (10 A per CIR)	Yes (4.5 A per CIR)	Yes (10 A per CIR)
NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal	NEMA 3R Plastic	NEMA 3R Metal	NEMA 3R Metal
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28	96	56	96	56	96	56	96	96	96	56	96
3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	3-Year Battery	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap
1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	1-Year	2-Year	2-Year	2-Year	1-Year	2-Year
Yes	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No
No	No	No	No	No	No	No	No	No	No	No	
No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	No	Yes
No	No	No	No	No	No	No	No	No	No	No	



365-Day Scheduling with Astronomic Feature Selection

Features:	ET90115C	ET90115CE	ET90115CR	ET90115CRE	ET90215C
# Circuits	1	1	1	1	2
Auto-Voltage	Yes	Yes	Yes	Yes	Yes
Auto Voltage	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
Switch Rating	30 A	30 A	30 A	30 A	30 A
Switch Type	SPDT	SPDT	SPDT	SPDT	2 x SPDT
Pulse	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)
Holidays	99	99	99	99	99
USB Port	No	Yes	No	Yes	No
LED Compatible	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)
Enclosure	NEMA 1 Metal	NEMA 1 Metal	NEMA 3R Metal	NEMA 3R Metal	NEMA 1 Metal
Auto DST Adj.	Yes	Yes	Yes	Yes	Yes
# Set Points	2000	2000	2000	2000	2000
Backup	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap
Warranty	3-Year	3-Year	3-Year	3-Year	3-Year
Mech-Only Avail.	No	No	No	No	No
Ethernet Port	No	Yes	No	Yes	No
Two-Hour Override	Yes, via programming	Yes, via programming	Yes, via programming	Yes, via programming	Yes, via programming
Remote Override	Yes	Yes	Yes	Yes	Yes

ET90215CE	ET90215CR	ET90215CRE	ET90415CR	ET90815CR	ET91215CR	ET91615CR
2	2	2	4	8	12	16
Yes	Yes	Yes	Yes	Yes	Yes	Yes
120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC	120-277 VAC
30 A	30 A	30 A	30 A	30 A	30 A	30 A
2 x SPDT	2 x SPDT	2 x SPDT	4 x SPDT or 2 x DPDT	8 x SPDT or 4 DPDT	12 x SPDT or 6 x DPDT	16 x SPDT or 8 x DPDT
Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)	Yes (Adjustable)
99	99	99	99	99	99	99
Yes	No	Yes	Yes	Yes	Yes	Yes
Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)	Yes (5 A per CIR)
NEMA 1 Metal	NEMA 3R Metal	NEMA 3R Metal	NEMA 3R Metal	NEMA 3R Metal	NEMA 3R Metal	NEMA 3R Metal
Yes	Yes	Yes	Yes	Yes	Yes	Yes
2000	2000	2000	2000	2000	2000	2000
100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100-Hour Supercap	100 Hour Supercap	100 Hour Supercap
3-Year	3-Year	3-Year	3-Year	3-Year	3-Year	3-Year
No	No	No	No	No	No	No
Yes	No	Yes	Yes	Yes	Yes	Yes
Yes, via programming	Yes, via programming	Yes, via programming	Yes, via programming	Yes, via programming	Yes, via programming	Yes, via programming
Yes	Yes	Yes	Yes	Yes	Yes	Yes