Mechanical/ Electronic	Time Switch Type	24-Hr, 7-Day or 365 Day	# of Circuits	Amp Rating	Switch Rating
Mechanical	Auto-Voltage or Multi-Voltage	24-Hr. or 7-Day	1	40	SPDT, DPDT
Mechanical	General Purpose	24-Hr.	1	40	SPST, SPDT, 1.N.O/1.N.C, DPST
Mechanical	24-Hr. with Skipper	24-Hr.	1	40	SPST, SPDT, 1.N.O/1.N.C, 2.N.O/2.N.C, DPDT, 4-PST
Mechanical	24-Hr. with Skipper	24-Hr.	1	20	SPDT
Mechanical	Short Range Cycle Timer	10, 30 min. 1, 4-Hr.	1	20	SPDT
Mechanical	Percentage Cycle Timer	30 sec., 1, 3, 5, 10, 30 Min. 1, 4 Hr.	1	20	SPST
Mechanical	Irrigation/Sprinkler	24-Hr.	1	15-30	SPST, DPST
Mechanical	7-Day with Photo Control	7-Day	1, 2, & 3	15	SPDT
Mechanical	Compact 7-Day	7-Day	1	20	SPDT
Mechanical	7-Day Dial With/Without Carryover	7-Day	1	40	4-PST
Mechanical	Water Heater	24-Hr.	1	40	DPST
Mechanical	Astronomic Dial with Skipper	7-Day	1	40	3-PST
Mechanical	Defrost Timer	24-Hr.	1	40	N/A
Mechanical	In-Wall Spring Wound	Decorator and Commercial Style	1	15	Varies
Mechanical	In-Wall Mechanical	24-Hr.	1	20	SPST
Electronic	Auto-Voltage 120-277 VAC	24-Hr. or 7-Day	1	40	SPDT, DPDT
Electronic	24-Hour Electronic Multi-Voltage	24-Hr.	1 & 2	30	SPST, DPST
Electronic	7-Day (Weekly) Electronic Multi-Voltage	7-Day	1 & 2	30	SPST, SPDT, DPST
Electronic	7-Day Astronomic Multi-Voltage	7-Day	1, 2, & 4	30	SPST, SPDT, DPST
Electronic	ET90000	365-Day	1, 2, 4, 8, 12 & 16	20	SPDT, DPST
Electronic	Water Heater	7-Day	1	30	SPST, DPST
Electronic	In-Wall	Countdown timers in various increments	1	15	SPST
Electronic	In-Wall	Programmable Countdown Timer 24-Hr.	1	20	Single Pole/Three Way
Electronic	In-Wall	Programmable 7-Day	1	15	Single Pole
Electronic	In-Wall	Programmable 7-Day with Astro	1	15/20	Single Pole/Three Way
Electronic	In-Wall	Programmable 7-Day with Astro	1	15	Single Pole/Three Way

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Events	ON/OFF Time	БКІр-А- Day	Carryover	Astro	Daylight Savings Time	Series	Page(s)
96 Events for 24 Hr./48	15 Min. for 24 Hr./	Yes	Optional	No	No	GM40AV	27
Events for Weekly	4 hr 15 min/ 2 hr for	7-Day					
	vvеекіу	versions					
12	1 Hr.	No	No	No	No	T100	32
10	1 Hr.	Yes	Optional	No	No	T170	33
96	15 Min.	Yes	Optional	No	No	T1900	34
10	5 Sec.	No	No	No	No	C88	38
3% to 97% Cycle Duration	1 Sec.	No	No	No	No	СТ	25
60	12 Min.	Yes	No	No	No	R88/T88	39
3 per day	3.5 Hr.	No	Yes	No	No	T51	36
84	2 Hr.	No	No	No	No	T2000	37
3 per day	3.5 Hr.	No	Optional	No	No	T74/T78	37
T104-20 (12 ON/OFF per Day)	1 Hr.	No	Yes	No	No	T104-20/ WH/	41
WH/WQ (12/46 24-Hr. 12-Weekly)						WHQ	28
N/A	N/A	Yes	Yes	Yes	No	V	41
1 to 24/24 Hour Period	15 Min. minimum ON/OFF Time	No	NO	No	No	DTAV40	90-91
Various increments with/ without "HOLD"	Varies	N/A	N/A	N/A	N/A	FD & FF	54-55
36 (72 Captive Trippers in 20 Minute Increments)	20 Min.	N/A	N/A	N/A	N/A	KM2	56
20 Events	1 Min.	Yes	Yes	No	No	GM40AVE	20
28	1 Min.	No	Yes	No	Yes	ET1100	16-17
28	1 Min.	Yes	Yes	No	Yes	ET1700	16-17
28	1 Min.	Yes	Yes	Yes	Yes	ET8000	16-17
4000+	1 Min.	Yes	Yes	Yes	Yes	ET90000	12-14
42	1 Min.	Yes	Yes	No	No	EH	25
N/A	Varies	N/A	N/A	N/A	N/A	El200	53
1	1 Sec.	N/A	N/A	No	No	EI400	52
7	1 Min.	Yes	Yes	No	No	EI500	49
40/Week	1 Min.	Yes	Yes	Yes	Yes	EI600	48
						ST01	50
14 ON/OFF Per Week	1 Min.	Yes	Yes	Yes	Yes	EJ600	51



Reference

Cross Reference

ALR Model #	Intermatic Model #
AA-105	K4021C
AA-105HA. AA-105W	K4321C
AA-1068, AA-1068W	K4023C
AA-305	K4021C
AM-1-A, AM-1-A-NB, AM-2-A, AM-2-A-NB	K122
AT-15	K4136M, K4421M
AT-168	K4123M, K4423M
AT-19	K4135
AT-30	K4141C
BF-120	LC4521C, K4251
BF-208-277	LC4523
BF-480	K4535
ET3001A	ET1105C
FC12HH	FF12HHC
FC15M	FF15MC
FC30M	FF30MC
FC5M	FF5M
FC60M	FF60MC
JB1000, JB1001	K4536SST
LC-120	LC4521C
LC-208-277	LC4523
LM1000. LM1001	K4536SST
M-120	K1221
M-208-277	LC4523
M-480	K4535
MA512H	FD12HH
MA512HW	FD12HHW
MA515M	FD15MC
MA515MW	FD15MWC
MA530M	FD30MC
MA530MW	FD30MWC
MA560M	FD60MC
MA560MW	FD60MWC
MC-10	K4500
PC-101-R	T101P, GM40AV
PC-103-R	T103P, GM40AV
PC-104-R	T104P, GM40AV
PT-15	K4121C
PT-168	K4123C
PT-19	K4135
SC-10	K4500
SPT-15	K4221C
SPT-168	K4223C, K4123C
SPT-19	K4235
SST-120, SST-240, SST-IES, SST-PV	K4536SS
TC-101	T101P, GM40AV
TC-101-R	T101R, GM40AV
TC-101R201	T101R201
TC-103	T103, GM40AV
TC-103-R	T103R, GM40AV
TC-104	T104, GM40AV
TC-104-R	T104R, GM40AV
TC-104R201	T104R201
TC-173	T173, GM40AV

ALR Model #	Intermatic Model #
TC-174	T174, GM40AV
TC-7401B	T7401B, GM40AV-W
TC-7402B	T7402B, GM40AV-W
TC-7801B	T7801B, GM40AV-W
TC-7802B	T7802B, GM40AV-W
TL-115	K4251
PC-101R	T101P, GM40AV
PC-103R	T103P, GM40AV
PC-104R	T104P, GM40AV
FC-15M	FF15MC
FC-30M	FF30MC
FC-60M	FF60MC
Arlington Model #	Intermatic Model #
DBU1C	WP1100C, WP3100C, WP3103C
60HC	WP3100C, WP3103C
DBUL1	WP1100WC
DBUL1DC	WP1020C
DBVSeries	WP1000RC. WP1000HRC
FisherPierce Model #	Intermatic Model #
FA-105	K4021C
FA-105-W	K4321C
FA-1068	K4023C
FA-305	K4021C
FE100C	
FE101C	ET1105C
FE171C	
FE715C	ET1715C
FI 115	K4251
FP101	T101. GM40AV
FP101R	T101R. GM40AV
FP103	T103 GM40AV
FP104	T104, GM40AV
FP104R	T104R. GM40AV
FP171	T171. GM40AV
FP173	T173. GM40AV
FP7401B	T7401B
FT15	K4121C
FT168	K4123C
FT19	K4135
N1038-1	K4500
N6401-NS	K4521
N6690B	LC2000
N7760. N7762E	K1221
N7772E	K1222
N7790B	LC4536LAC
N7794	LC4535LA
N9901S-MHL	K4536SS
NAT9021	K121
NFP120	K4521
NFP277	LC4523
NFP480	L C 4535LA
NEP480-ELS	K4535
NS476-71	K122
NS476-73 NS47681	K121
SFT15	K4221C
	1172210

FisherPierce Model #	Intermatic Model #
SFT19	K4235
Mulberry Model #	Intermatic Model #
30825	K4121C
30827, 30829, 30831	K4123C
30834	LC4521C
30836	K4524
30838	K4522
30840	K4533
30842	K4535
30850	K4021C
30851	K4123C
30852	K4123C
30855	K4321C
30868	K4221C
Paragon Model #	Intermatic Model #
1015-00RS	T1975
1015-40TS	T1975E
4001-00	T101, GM40AV
4001-00M	T101M, GM40AV-M
4001-00-RT	T101, GM40AV
4002-20, 4002-71	T102, GM40AV
4003-00	T103, GM40AV
4003-00M	T103M, GM40AV-M
4003-00-RT	T103, GM40AV
4003-00S, 4003-00SM	T173, GM40AV
4004-20	T104, GM40AV
4004-20S	T174, GM40AV
4004-71	T104, GM40AV
4004-71M	T104M, GM40AV-M
4004-71-RT	T104, GM40AV
4004-71S	T174, GM40AV
4005-00	T105, GM40AV
4005-00S	T175, GM40AV
4006-20S	T176, GM40AV
4006-21	T106, GM40AV
4006-71S	T176, GM40AV
4011-00	T101R, GM40AV
4011-00P, 4011-00PC-RT	T101PCD82, GM40AV
4012-20, 4012-71	T102R, GM40AV
4013-00	T103R, GM40AV
4013-00P	T103P, GM40AV
4013-00PC-RT	T103PCD82, GM40AV
4013-00S	T173R, GM40AV
4014-20, 4014-71	T104R, GM40AV
4014-71P	T104P, GM40AV
4014-71PC-RT	T104PCD82, GM40AV
4014-71S	T174R, GM40AV
41011-00	T101R201
41014-20	T104R201
42001-00	T1905
42011-20	T1906
42013-20	T1976R
44001-00, 44005-00	C8845
4912-99	T21001R
4918-99	T21004R



Paragon Model #	Intermatic Model #
7007-00	T7401B
7007-20	
7007-71	T7402B
7008-00	T7801B
7008-20, 7008-71	T7802B
8045-00	G8045-00
8045-20	G8045-20
8145-00	G8145-00
8145-20	G8145-20
8041-00, 8041-20, 8043-00, 8043-20	
8045-00, 8045-20, 8046-00, 8046-20	
8047-00, 8047-20, 8141-00, 8141-20	DTAV40
8143-00, 8143-20,	
8145-00, 8145-20	
8243-20, 8245-20, 8247-20	
CW201-00, CW201-00-RT	K4121C
CW201-70	K4136M
CW201-71	K4123C
CW201-S-00	K4221C
CW201-S71	K4223C
CW302-00	K4136M, K4421C
CW302-70	K4136M
CW302-71	K4421M
EC11D/120VAC	FM1D20A-120
EC11D/240VAC	FM1D20A-240
EC365DST1/120VAC	ET90115CR
EC365DST2/120VAC	ET002150D
EC365DST2/277VAC	L1902130N
EC4000/120VAC	ET1115C
EC4000/208-277VAC	ET1105C
EC40004/208-277VAC	ET1115C
EC40004PC/120-RT	ET1115CPD82
EC4000PC/120-RT	ET1115C
EC4000PC/120VAC	FT1115CPD82
EC4000PC/208-277VAC	
EC4004/120VAC	
EC4004/120V-RT	
EC4004/208-277VAC	ET1105C
EC4004/208-277VAC-RT	
EC4004120VAC-RT	
EC4004PC/120VAC	ET1105CPD82
EC4004PC/120VAC-RT	ET1105CR
EC4004PC/208-277VAC	ET1105CPD82
EC4004PC/208-277VAC-RT	ET1105CR
EC4005PC/120, 240-RT	ET1125CR
EC7000/120VAC	
EC7000/120VAC-RT	ET1715C
EC7000/208-277VAC	
EC7001/120VAC	ET1725C
EC7001/208-277VAC	ET90115C
EC7001PC/120VDC	ET1715C
EC7004/120VAC	ET1705CR
EC7004/208-277VAC	ET90115C, ET1725C

Paragon Model #	Intermatic Model #	
EC7005/120VAC	ET1725C	
EC7005PC/120-240VAC	ET1725CPD82	
EC7005PC/277VAC	ET1725CPD82	
EC71D/18S/120VAC, EC71D/18S/240VAC	ET90115C	
EC71D/30M/120VAC	ET1725C	
EC71D/30M/240VAC	ET90115C	
EC71D/30S/120VAC	FM1D20A-120	
EC71D/30S/240VAC	ET90115C	
EC71D/30S/24VAC	FM1D20A-24	
EC72D/120VAC, EC72D/240VAC	ET90215C	
EC74/50S/120VAC, EC74/50S/240VAC	ET90415CR	
EL71/120VAC, EL71/208-240VAC	ET90115C	
EL71/277VAC, EL7100/120VAC	ET90115C	
EL7100/208-240VAC	ET90115C	
EL7100PC/120VAC	ET90115CR	
EL7100PC/208-240VAC	ET90115CR	
EL712	ET91615CR	
EL71PC/120VAC, EL71PC/208-240VAC, EL71PC/277VAC	ET90115CR	
EL72/120VAC, EL72/208-240VAC		
EL72/277VAC, EL7200/120VAC, EL7200/208-240VAC	ET90215C	
EL7200/120VAC, EL7200/208-240VAC		
EL7200PC/120VAC, EL7200PC/208-240VAC		
EL72PC/120VAC, EL72PC/208-240V, EL72PC/277VAC	ET90215CR	
EL74	ET90415CR	
EL78	ET90815CR	
ET100/3WAY, ET100F/3WAY, ET1100	EI400C	
ET1100/3WAY		
ET1100/W	EI400WC	
ET1100F	EI400C	
ET1100F/3WAY		
ET1100F/W	EI400WC	
ET2000	EI400C	
ET2000/W	EI400WC	
ET2000F	EI400C	
ET2000F/W	EI400WC	
JW10-00, JW10-00PC, JW10-20, JW10-20PC		
JW30-00, JW30-00PC, JW30-20, JW30-20PC	012000	
JW5-00, JW5-00PC, JW5-20, JW5-20PC	512000	
JW60-00, JW60-00PC, JW60-20, JW60-20PC		
LB201-00, LB201-00-RT	K4021C	
LB201-71	K4023C	
LB201W-00, LB201W-00-RT	K4321C	
P101-00	T101, GM40AV	

Paragon Model #	Intermatic Model #
P101-00M	T101M, GM40AV-M
P101-00P	T101P, GM40AV
P101-00PC-RT	T101PCD82, GM40AV
P101-00PS	T171, GM40AV
P101-00RT	T101,GM40AV
P101-00S	T171,GM40AV
P103-00	T103, GM40AV
P103-00M	T103M, GM40AV-M
P103-00P	T103PCD82, GM40AV
P103-00PC-RT	T103, GM40AV
P103-00PC-RT	T103PCD82, GM40AV
P103-00PS	T173, GM40AV
P103-00RT	T103, GM40AV
P103-00S	T173, GM40AV
P104-71	T104, GM40AV
P104-71	T104M, GM40AV-M
P104-71P	T104P, GM40AV
P104-71PC-RT	T104PCD82, GM40AV
P104-71PS	T174, GM40AV
P104-71RT	T104, GM40AV
P104-71S	T174, GM40AV
PN201-00, PN201-00-RT	K4251
SC201-99	K4500
SWP12H	FF12HC
SWP12HH	FF12HH
SWP15M	FF15MC
SWP15MH	FF15MH
SWP2H	FF2H
SWP2HH	FF32HH
SWP30M	FF30MC
SWP30MH	FF30MH
SWP4H	FF4H
SWP5M	FF5M
SWP60M	FF60MC
SWP60MH	FF60MHC
SWP6H	FF6H
SWP6HH	FF6HH
SWPD12H	FD12HC
SWPD12HH	FD12HH
SWPD12HH-W	FD12HHW
SWPD12H-W	FD12HWC
SWPD15M	FD15MC
Precision Model #	Intermatic Model #
8660	K1221
8672	K1222
8690	LC2000
102FAA	K4251
6041-0	
6041-20	-
6043-0	-
6043-20	DTAV40
6045-0	-
6045-20	-
6047-0	-
-	





Precision Model #	Intermatic Model #	
6047-20		
6141-0		
6141-20		
6143-0	DTAV40	
6143-20		
6145-0		
6145-20		
6045-0	G8045-00	
6045-20	G8045-20	
6145-0	G8145-00	
6145-20	G8145-20	
8690N	LC2000	
A-105	K4021C	
A-105W	K4321C	
A-1068	K4023C	
CD101	T101. GM40AV	
CD101P	T101P GM40AV	
CD101B-201	T101B201	
CD101BH		
CD102		
CD102		
CD102F		
	T102h, 01040AV	
CD103	T103, GIVI40AV	
CD103P	T103P, GIVI40AV	
CD103RH	TITOSK, GM40AV	
CD103S	1173, GM40AV	
CD104	1104, GM40AV	
CD104-20	T104-20, WHAVQ4	
CD104P	T104P, GM40AV	
CD104R-201	T104R201	
CD104RH	T104R, GM40AV	
CD104S	T174, GM40AV	
CD105	T105, GM40AV	
CD105RH	T105R, GM40AV	
CD105S	T175, GM40AV	
CD106	T106, GM40AV	
CD106RH	T106R, GM40AV	
CD106S	T176, GM40AV	
CD115-00	T1905	
CD115-00S	T1975	
CD115-20	T1906	
CD115-20S	T1976	
CD115-40	T1975E	
CD2101R	T21001R	
CD2104R	T21004R	
ET115	K4251	
JP-275	K4500	
M2A	K122	
M2ANA, M2ANB	K121	
P-2275	K4521	
P68275	LC4523	
P-7275	K4535	
SD7007-00/20	T7401B	
SD7008-00/20	T7801B	
ST-15	K4221C	
ST-168	K4223C	
ST-19	K4235	

Precision Model #	Intermatic Model #
T-15	K4121C
T-168	K4123C
T-19	K4135
Marktime MH Rhodes Model #	Intermatic Model #
93303	FF360M
93504	FD32H, FD32HW
93505	FD6H, FD6HW
93507	FD34H, FD34HW
93301	FF315MH
93302	FF330M
93304	FF32H
93306	FF36H
93307	FF312H
93305	FF34H
93312	FF330M
93317	FF312HH
Supco Model #	Intermatic Model #
CD100 Series	T100 Series
M814520	DTAV40-M
S804100, S804120, S804500, S804520	DTAV40-M
S814100, S814120, S814500, S814520	
T&B Model #	Intermatic Model #
2CKD	WP1030MXD
2CKNM	WP1220C
CKMD	WP1010HMXD
CKNM	WP1100C, WP3100C, WP3103C
CKSDV	WP1010MXD
Taymac Model #	Intermatic Model #
MM2440C	WP1020C, WP1220C
MM400C	WP1100C, WP3100C, WP3103C
MM740C	WP1150C
MM7440C	WP1050, WP1250C
MX3200	WP1010MXD
MX3300	WP1010HMXD
MX6200	WP1030MXD
Tork Model #	Intermatic Model #
1101	T101, GM40AV
1102	T102, GM40AV
1103	T103, GM40AV
1104	T104, GM40AV
1191	T101, GM40AV
1962	T103, GM40AV
2000	K4121C
2001	K4221C
2002	K4236C
2003	LC4521C, K4521
2004	LC4523
2005	K1221
2007	LC4536LAC
2008	
	LC4535LA, K4535
2021	LC4535LA, K4535 K4251
2021 2022	LC4535LA, K4535 K4251 K4253

Tork Model #	Intermatic Model #
2100	K4121C
2101	K4121C, K4136M, K4421M
2102	K4236C
2104	K4236C, K4123M, K4423M
2105	K4141C
2107	K4136M
2223, 2224	K121
2421 2422	K1221
2500	K4500
3000	K4021C
3000	K4022C
3002	K40230
3002	K4023U
3010	K43210
3020	K4221C
3121	T105, GM40AV
5500	K4500
7100	T171
7102	T172
7120	T175, GM40AV
7122	T176, GM40AV
7200	T173, GM40AV
7202	T174, GM40AV
7220	T1871BR
7222	T1872BR
7300	T1471BR
7302	T1472BR
8001	T1905
8004	T1906
8007	T1975
8008	T1976
8061	C8865
8121	C8815
8301	C8835
8601	C8865
8603	00000
1101.0	
1101-0	TIOTR, GWI4UAV
1101M, 1101M-IAP	1101M
1101-N	1101P, GM40AV
1101-NC	T101PCD82, GM40AV
1102M	T102M
1103-0	T103R, GM40AV
1103M, 1103M-IAP	T103M
1103-N	T103P, GM40AV
1103-NC	T103PCD82, GM40AV
1104-0	T104R, GM40AV
1104D	T10404R
1104DF	T12404R
1104FM	T104R201
1104M, 1104M-IAP	T104M
1104-N	T104P, GM40AV
1104-NC	T104PCD82, GM40AV
1191-0	T101R. GM40AV
1847A. 1847AI 1847AW	
1847AWL	ET1725C
1847AZ, 1847AZL	FT0001F0
1848AZL	E1902150



Tork Model #	Intermatic Model #	Tork Model #	Intermatic Model #	Tork Model #	Intermatic Model #
1962-0	T103R	A506HHW	FD6HHW	DW100A, DW100AY	ET90115C
2000-2	K4123C	A506HW	FD6HW	DW200AY	ET90215C
2000-7	K4236C	A512H	FD12HC	DZM200, DZM200-2,	FT90215CB
2003S	LC4521LA	A512HH, A512HHC	FD12HH	DZM200-3, DZM200-A	
2004S	LC4523LA	A512HHW, A512HHWC	FD12HHW	DZS100, DZS100-3, DZS100A	ET90115CR
2007D	LC4536LAC	A512HW	FD12HWC	DZS200, DZS200-2.	
2008D	LC4535LA	A515M, A515MC	FD15MC	DZS200-3, DZS200A	ET90215CR
401A	TN111RM40	A515MH	FD15MH	DZS400A	ET90415CR
5001M	LC4521LA	A515MHW	FD15MHW	E101	
5001S	LC4521C, K4521	A515MW, A515MWC	FD15MWC	E101-2, E101-3	ET1105C
5004M	LC4523LA	A530M, A530MC	FD30MC	E101-NC	
5004S	LC4523	A530MH	FD30MH	E103	
5007M	LC2000	A530MHW	FD30MHW	E103-2	FT11250
5007S	LC4536LAC	A530MW, A530MWC	FD30MWC	E103-2NC	
5008M, 5008S	LC4535LA	A560M, A560MC	FD60MC	E103-3	
5021M, 5021S	LC4521LA	A560MH, A560MHC	FD60MH	E103NC	ET1125C
5024M, 5024S	LC4523LA	A560MHW, A560MHWC	FD60MHW	E120	FT1105C
5717-T4, 5717-T5,	K4536SST	A560MW, A560MWC	FD60MWC	E120-2, E120-3, E120NC	
5/1/-16, 5/1/-17, 5/1/-18	V/450000	ACT120M, ACT120M-24,		EH10	EH10
5717-IM	K453655	ACTIZUMES	-	EH20	EH40
5/1/-12	K4536551	ACT120MFS-24, ACT120S, ACT120S-24		ES101	ET1705C
5/3/IM	K453655	ACT120SFS,	- CT2000	ES101-2, ES101-2NC	
5/3/12	K4536551	ACT120SFS-24, ACT30M		ES103	
701A		ACT30M-24, ACT30MFS,		ES103-2	
701A-2G	KM251-1G	ACT30WF3-24	EEDH	ES103-2NC	
701AC	T171D	C502H	FF2H	ES103-3	ET1725C
7100-0	11/1K	C505M	FF5M	ES103NC	
7102-0	FT001150	C506H	FEGH	ES120	
71202, 71202L	ET00115C	С506НН	FEGHH	ES120-2, ES120-3	
7200.0		C512H	FE12HC	ES120NC	
7200-0	T17308	C512HH	FE12HHC	EW101	ET1705C
72002	V//5//71R	C515M	FE15MC	EW101-2	
72002	V454710	C515MH	FF15HH	EW103	ET1725C
720022	T174R GM40ΔV	C530M	FE30MC	EW103-2, EW103-3	
72021	T174CB	C530MH	FE30MH	EW103NC	
72022	V45472B	C560M	FF60MC	EW120, EW120NC	ET1715C
72022	V45472CB	C560MH	FF60MHC	K400Z, K400Z-2, K401Z, K401Z-2	ET90415CR
73007	V45471B	DCL400 BP	LM2-0-120	K600Z, K600Z-2, K601Z	ET90815CR
730071	V45471CB	DG100	ET1705CR	K601Z-2	ET90415CR
7302Z	V45472R	DG100-2	ET1725CR	K800Z, K800Z-2, K801Z	ET90815CR
7302ZL	V45472CR	DG100-3, DG180, DG180-2,	5T001150D	K801Z-2	ET90415CR
8001U	T1975E	DG180-3	EI9UIISCR	SS13B, SS13F, SS20, SS20F	EI400C
8007V	R8815P101C	DGM100	ET90115C	SS700	ST01
A1200, A1600	ET91615CR	DGM100-2, DGM100-3,		SSA100, SSA100R-24,	FIADOC
A502H	FD2H	DGS100, DGS180	- ET90115CR	SSA200	
A502HH	FD32HH	DGS180-2, DGS180-3		TU40	GM40AV
A502HW	FD32HHW	DIN100A, DIN101A,	ET901150	DTU40	GM40AVE
A504H	FD4H	DIN101B		T920L	T51211BC
A504HH	FD34HH	DIN103A	ET90415CR	T930L	T51311BC
A504HHW	FD34HHW	DIN200, DIN201B	ET90215C	TW220L	T51211BC
A504HW	FD4HW	DS200, DS200-2, DS200-3	ET90215CR	TW300L	T51311BC
A505M	FD5M	DT100, DT100-2, DT100-3	ET90115C	TZ220L, TZ222L,	ET90415CR
A505MW	FD5MW	DT200, DT200-2, DT200-3	ET90215C	W100	T7401B
A506H, A506HD	FD6H	DTS100A	ET90115CR	W120	T7801B
A506HH	FD6HH	DTS200A	ET90215CR	11120	
L	1	DTS400A	ET90415CR		



Tork Model #	Intermatic Model #	Grässlin Old Model #	Intermatic Model #
W200	T7401B	KLT6HH	FD6HH
W202	T7402B	KLT12H	FD12HC
W220	T7801B	KLT12HH	FD12HH
W220L	T7801BC	KLT2H	FD32H
W222	T7802B	KLT4H	FD34H
W222L	T7802BC	KLT6H	FD36H
W300	T7401B	KLT5M-W	FD5MW
W300L	T7401BC	KLT15M-W	FD15MWC
W302	T7402B	KLT15MH-W	FD15MWH
W302L	T7402BC	KLT30M-W	FD30MWC
W400, W400A	T7401B	KLT30MH-W	FD30MWH
W400AL, W400AL-0	T7401BC	KLT60M-W	FD60MWC
W402, W402A	T7402B	KLT60MH-W	FD60MWH
W402AL-0	T7402BC	KLT2H-W	FD2HW
WH2	WH40, WHAVQ4	KLT4H-W	FD4HW
7400B 7400B-2	ET90415CB	KLT6H-W	FD6HW
EI C71PC/120		кітенн-w	ED6HHW
EL C71PC/208 240	ET001150D	KLT12H-W	ED12HWC
ELC/1FC/200-240	LIBUIIJON		
EL/ IPC/2/7			
ELU72PU/120	FT0004F0D		
ELC/2PC/208-240	E190215CR		FD34HW
ELC72PC/277		KLIGH-W	FD36HW
ELC74	ET90415CR (Except 24 Volt Models)	KLT5M-A	FF5M
FLC78	FT90815CB	KLT5MH-A	FF5MH
22010	(Except 24 Volt Models)	KLT15M-A	FF15MC
ELC712	ET91215CR	KLT15MH-A	FF15MH
	(Except 24 Volt Models)	KLT30M-A	FF30MC
Cooper Model #	Intermatic Model #	KLT30MH-A	FF30MH
LiteKeeper 4 - LK4	ET90415CR	KLT60M-A	FF60MC
LiteKeeper 8 - LK8	ET90815CR	KLT60MH-A	FF60MHC
Leviton Model #	Intermatic Model #	KLT2H-A	FF2H
EZ Max R08BD-L04	ET90415CR	KLT4H-A	FF4H
EZ Max R08BD-L08	ET90815CR	KLT6H-A	FF6H
EZ Max R24BD-L16	ET91615CR	KLT6HH-A	FF6HH
Hubbell Model #	Intermatic Model #	KLT12H-A	FF12HC
CX042S042NN		KLT12HH-A	FF12HHC
CX042S043LN	FTOOLIGOD	KLT15MH-A	FF315M
CX042S04TNN	E190415CR	KLT30MH-A	FF330M
CX042S00SPN		KLT60MH-A	FF360M
CX082S082NM		KLT2H-A	FF32H
CX082S083LM		KLT4H-A	FF34H
CX082S08TNM	ET90815CR	KLT6H-A	FF36H
CX082S00SPM		KLT12H-A	FF312H
WattStopper Model #	Intermatic Model #	KLT12HH-A	FF312HH
LP8 Peanut Panel	ET90815CR	GMXDIGI120-I-120	GMXFM1D20-I-120
Grässlin Old Model #	Intermatic Model #	GMXDIGI120-0-120	GMXFM1D20-0-120
KIT5M	ED5M	DIGI20E-120	EM1D20E-120
KIT15M	ED15MC	DIGI20A-120	FM1D20A-120
KIT15MH	ED15MH	EM1DIGI20-12011	FM1D20-120U
KIT30M	ED30MC	GMYDIGI20 0.240	GMYEM1D20 0 240
	ED20MH		CMVEM1D20-0-240
	EDGOMC		
		DIGI2UA-240	FWI1D20A-240
KLI2H			
KLI4H	FD4H		

Grässlin Old Model #	Intermatic Model #
FM1DIGI20-240U	FM1D20-240U
GMXDIGI20-0-24	GMXFM1D20-0-24
GMXDIGI20-I-24	GMXFM1D20-I-24
DIGI20E-24	FM1D20E-24
DIGI20A-24	FM1D20A-24
FM1DIGI20-24U	FM1D20-24U
DIGI42A-24	FM1D50A-24
DIGI42E-24	FM1D50E-24
GMXDIGI42-I-24	GMXFM1D50-I-24
FM1DIGI42-24U	FM1D50-24U
GMXDIGI42-I-120	GMXFM1D50-I-120
GMXDIGI42-0-120	GMXFM1D50-0-120
DIGI42A-120	FM1D50A-120
DIGI42E-120	FM1D50E-120
FM1DIGI42-120U	FM1D50-120U
GMXDIGI42-0-12	GMXFM1D50-0-12
DIGI42A-12	FM1D50A-12
GMXDIGI42-I-12	GMXFM1D50-I-12
DIGI42E-12	FM1D50E-12
FM1DIGI42-12U	FM1D50-12U
GMXDIGI42-I-240	GMXFM1D50-I-240
DIGI42A-240	FM1D50A-240
DIGI42E-240	FM1D50E-240
FM1DIGI42-240U	FM1D50-240U
GMX2DIGI42I-24	GMX2FM2D50I-24
GMX2DIGI42I-120	GMX2FM2D50I-120
GMX2DIGI420-120	GMX2FM2D500-120
GMX2DIGI42I-240	GMX2FM2D50I-240
GM40	GM40AV
GM40W	GM40AV-W
GM40Q	GM40AV-Q
GM40QW	GM40AV-QW
GM40M	GM40AV-M
DTMV40	DTAV40
DTQMV40	DTAV40Q
DTMV40-M	DTAV40-M
DTQMV40-M	DTAV40Q-M
WHQ4	WHAVQ4
WHQ7	WHAVQ7

For Complete and Current Cross Reference List Please Visit www.intermatic.com



KLT6H

FD6H

IP Classifications

The Ingress Protection (IP) rating is used to specify the environmental protection for enclosures. Below is the IP protection definitions in accordance with IEC529. A two-digit code is used to specify the type of protection. The table below provides a definition of the codes for protection against solid objects and water.

First Digit		Second Digit	
	Represents the type of protection against solid objects	Represents the type of protection against water	
0	No special protection	0	No special protection
1	Protection against solid objects with a diameter over 50 mm. No protection against deliberate access, e.g. with a hand, but large surfaces of the body are prevented from approach.	1	Protection against vertically falling drops of water, such as condensation.
2	Protection against penetration by solid objects with a diameter over 12 mm., such as fingers or similar objects.	2	Protection against dripping water falling vertically when the equipment (enclosure) is tilted at an angle up to 15° from its normal position.
3	Protection against solid objects with a diameter of more than 2.5 mm., such as tools and wires with a thickness of more than 2.5 mm.	3	Protection against water falling at any angle up to 60° from the vertical.
4	Protection against solid objects with a diameter over 1 mm., such as tools and wires with a thickness of more than 1 mm.	4	Protection against water splashed against the equipment (enclosure) from any direction.
5	Protection against the ingress of harmful dust deposits.	5	Protection from water projected from a nozzle against the equipment (enclosure) from any direction.
6	Complete protection against the ingress of dust	6	Protection against heavy seas or powerful water jets.
		7	Protection against water when the equipment (enclosure) is immersed in water under defined conditions of pressure and time.
		8	The equipment (enclosure) is suitable for continuous submersion in water under conditions which must be specified by the manufacturer.



Reference

Glossary of Terms				
Term	Definition			
	Electrical Terms			
Alternating Current (AC)	Electrical current which, when being produced by a dynamo or generator, continually reverses its direction of travel. The dynamo or generator that produces alternating current is called an alternator. AC current can be changed to direct current through use of a rectifier. Voltage of AC current can be readily stepped up or down through use of a transformer.			
Amperes (Amps, A)	The basic unit for measuring electric current passing through a line in a given time. Amperage is equal to power (in watts) divided by voltage (in volts).			
Apparent Power (Volt-Ampere, VA)	The amount of power that appears to be used by the circuit based upon the output of that circuit. The apparent power is equal to voltage (in volts) times amperage (in amps) for a circuit, times the power factor of that circuit.			
Cycle	One complete reversal of the direction of current flow in a conductor. Used in conjunction with alternating current.			
Direct Current (DC)	Electrical current that flows only in one direction. The most common source of DC is from various types of storage batteries. DC can also be produced by a generator for use on DC motors and other applications.			
Electromagnetic Interference (EMI)	Any electrical or magnetic signal found in addition to a supplied signal. Electromagnetic interference is commonly detected on the power line between a power supply and an energy control or between an energy control and a load. Electromagnetic interference can adversely affect normal operation by causing excessively high or low voltages or by causing irregularities in the power supply signal.			
Frequency (Hertz, Hz)	Hz) The number of cycles per second in alternating current.			
Ground Connection	The connection from the device to Earth ground as a return path. This connection is in addition to the neutral connection and is provided as a secondary return path for safety and emergency use.			
Line Connection	The connection from the power supply to the energy control.			
Load Connection	The connection from the energy control to the load(s).			
Neutral Connection	The connection from the energy control and/or load to the power supply as a return path.			
Noise Filter	An electrical noise filter is a network of electrical components designed to offer a comparatively high resistance to voltages and/or frequencies outside of an acceptable range, generally used to mitigate the effects of electromagnetic interference.			
Overvoltage	An increase in voltage in an electrical circuit for a significant length of time. Overvoltages are typically caused by sources outside of a building. Overvoltages can cause permanent damage to energy controls and loads if the energy controls are properly protected.			
Power Factor	A measurement of the efficiency of a circuit, between zero and one. The closer a power factor is to zero, the more energy that is lost within the operation of the circuit. The closer a power factor is to one, the more energy that is transferred efficiently to the load.			
Radio Frequency Interference (RFI)	A type of electromagnetic interference associated specifically with radio frequency or wireless sources.			
Real Power (Watts, W)	The capacity of the circuit for performing work; the actual amount of power used by the circuit over time. The real power is equal to voltage (in volts) times amperage (in amps) for a circuit.			
Surge	Any unsustained increase in electrical energy. Surges include transients and overvoltages.			
Surge Suppressor	A device designed to mitigate or prevent the adverse effects of surges. Most surge suppressors are intended only for specific types of surges within specific operating conditions.			
Transient	A brief spike in voltage in an electrical circuit. Transient voltages are commonly in excess of 1,000 volts, but for a duration of less than 1/1,000 second. Transient voltages are typically caused by sources inside of a building, between the power supply and other devices. Transient voltages can cause intermittent or nuisance operation in energy controls, such as not turning ON when scheduled, or the display temporarily turning OFF.			
Traveler Connection	The connection from the energy management system to another device, such that either device can control the load. Often referred to as a three-way connection. An example would be a light switch at the top and bottom of a flight of stairs, where either switch could control the stairway light.			
Volts (V)	The basic unit for measuring the amount of electrical potential in a conductor. Voltage is equal to power (in watts) divided by amperage (in amps).			



Term	Definition	
	Product Features	
Astronomic	Products with the Astronomic feature are able to calculate sunrise and sunset times based upon the current date and geographical location, allowing them to automatically control outputs based on sunrise and sunset times without the use of a photocontrol.	
Auto-Voltage	A type of power supply that contains a single connection for multiple voltages or voltage ranges. The selection of the proper voltage or voltage range occurs automatically within the control.	
Dry Contact	Switch externally supplied power that does not have its own source of power for the loads. This type of contact can switch any load within its ratings.	
Duty Cycling	Switching loads ON/OFF on a rotating schedule to reduce energy consumption and reduce peak demand charges by ensuring that selected loads are not ON simultaneously.	
Holiday	An exception from the standard schedule of events. Holidays can be traditional holidays, such as New Year's Day, or other exceptions, such as maintenance done on the last Friday of every month. During holidays, the standard schedule of events is generally suppressed and a separate schedule may be used specifically for that holiday.	
Holiday Schedule	A schedule of events different from the standard schedule of events in an energy control meant to be used only during a defined holiday period.	
Independent Circuit	Sometimes called independent channels, referring to the number of loads that can be independently controlled based on the same time of day control system. Any of the independent circuits may control more than one load by switching those loads simultaneously.	
Multi-Tap	A type of power supply that contains multiple connections that are each for a different voltage or voltage range.	
Multi-Volt	A type of power supply that contains a single connection for multiple voltages or voltage ranges. The selection of the proper voltage or voltage range is done manually, generally via a switch located near the connection.	
Offset	A configurable difference between a calculated value and the desired control value. For example, sunset may be offset to occur 15 minutes earlier than calculated.	
Override	A secondary control used to manually turn a load ON/OFF when a schedule of events is active on the primary control.	
Pulse	Pre-defined duration for the controlled output to remain in the ON state. Typically, a pulse is only for a few seconds, such as when used with bells or alarms. However, some controls do allow for significantly longer durations to simplify scheduling, eliminating the need for separate ON and OFF events.	
Zone	A group of circuits or a defined space within a building where energy demand requirements are sufficiently similar so that safe, convenient, and energy conscious conditions can be maintained throughout by a single controlling device.	
	Ratings	
British Thermal Unit (BTU)	A unit of heat equal to 252 calories. The quantity of heat required to raise the temperature of one pound of water from 62 °F to 63 °F.	
Electronic Ballast	A load category referring to any load that utilizes a modern electronic ballast to start, typically found in LED lighting.	
Full Load Amp (FLA) Ratings	The amount of current used by a motor when it is in normal operation with a load, typically the minimum amount of current that a motor requires to remain ON.	
Inductive Ballast	A load category referring to any load that utilizes a traditional inductive or magnetic ballast to start, typically found in fluorescent lighting.	
Inductive Load	A load category referring to any load that utilizes an inductor, including motors, relays, solenoids, and transformers.	
Lock Rotor Amp (LRA)Ratings	The amount of current used by a motor when it is powered but not rotating, typically the maximum amount of current that a motor requires to turn ON.	
Pilot Duty Rating	A load category designed to switch the coil of electromagnetic devices such as solenoids, relays, contactors, or motor starters. The VA rating of the controlling contacts must be equal to or greater than the sealed VA, not the inrush VA, of the controlled coil in order to prevent excessive contact wear or contact welding.	
Rating	The limits of the ability of a device to operate safely and satisfactorily within its normal environmental extremes.	



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Term	Definition		
	Ratings		
Resistive Load	A load category for any purely resistive load, such as a heater. Contact ratings are resistive unless otherwise marked.		
Tungsten Load	A load category referring to any load that utilizes a tungsten filament, typically found in incandescent and halogen lighting.		
Type 1 Enclosure	Any enclosure that meets specific safety and performance testing standards for use indoors, protecting the enclosed equipment against dust and dirt, and providing protection against incidental contact with the enclosed equipment.		
Type 3R Enclosure	Any enclosure that meets specific safety and performance testing standards for use indoors or outdoors, protecting the enclosed equipment against dust, dirt, rain, sleet, snow, and ice and providing protection against incidental contact with the enclosed equipment.		
Type 4X Enclosure	Any enclosure that meets specific safety and performance testing standards for use indoors or outdoors, protecting the enclosed equipment against dirt, rain, sleet, snow, ice, windblown dust, splashing water, hose-directed water, and corrosion.		
	Products and Components		
Contactor	An electromechanical device used for direct control of a load, comparable to a heavy-duty relay.		
Cycle Timer	A specific schedule type that repeats on a frequent basis, also referred to as duty cycle. The schedule consists of an ON duration and an OFF duration, which repeat continuously. For example, a control could be set to be ON for 20 minutes, then OFF for 40 minutes, and then turn back ON for 20 minutes, etc., repeating every hour. This type of control is commonly used for feeders, misters, blowers, and similar outputs.		
DIN Rail	A specific type of mounting style used by several controls, named for the German Institute for Standardization "Deutsches Institut für Normung". Controls with this mounting style are generally small, low profile devices ideal for custom panel and OEM applications.		
Electrically-Held Contactor	Cally-Held Contactor A contactor that is electrically held in the open position or the closed position by applying continuous electrical current to the contactor control circuit.		
Lighting Contactor	A contactor specifically designed for controlling filament loads commonly found in the lighting industry.		
Mechanically-Held Contactor	A contactor that requires only a brief supply of electrical current (pulse) to switch between the open actor and closed positions. After switching, the contactor is then retained in the new position by means of a mechanical latch.		
Self-Clearing Latching Contactor	A type of mechanically-held contactor that has a common input for its open and closed position. Each brief supply of elctrical currrent (pulse) causes the contactor to alternate between its open and closed state.		
Tripper	A tripper is a component used in setting the schedule on a mechanical timer. Each tripper is inserted or fastened near a representative time slot to inform the control when to turn ON or OFF. Each time the time slot aligns with the actual time, the tripper makes contact with or "trips" a mechanical connection that adjusts the output.		
Industry Terms			
Cycling	The action of switching ON or OFF.		
Event	A single setpoint within a schedule. Each event generally contains a date, time, controlled outputs, and an ON/OFF setting. For example, one scheduled event could be to turn all lights on at sunset.		
HVAC	Abbreviation for Heating, Ventilation, and Air Conditioning.		
HVACR	Abbreviation for Heating, Ventilation, Air Conditioning, and Refrigeration.		
Load	The device or devices controlled by the energy control either directly or indirectly through a control circuit.		



Switch Type

Abbreviation	Definition	Description	Symbol
1 x SPST	Single Pole, Single Throw	A simple ON/OFF switch. The two terminals are either connected together or disconnected from each other. An example is a light switch.	
2 x SPST	Single Pole, Single Throw	Equivalent to two SPST switches controlled by separate mechanisms.	
1 x DPST	Double Pole, Single Throw	Equivalent to two SPST switches controlled by a single mechanism.	
1 x SPDT	Single Pole, Double Throw	A simple changeover switch. Common (COM) is connected to the Normally Closed (NC) output when in the default position. Common (COM) is connected to the Normally Open (NO) output when in the switched position.	
2 x SPDT	Single Pole, Double Throw	Equivalent to two SPDT switches controlled by separate mechanisms.	
1 x DPDT	Double Pole, Double Throw	Equivalent to two SPDT switches controlled by a single mechanism.	



Reference

Voltage / Phase Diagrams



277 VAC Single Phase



480 VAC Single Phase



120/240 VAC Split Phase





277/480 VAC Three Phase Wye





120/240 VAC Three Phase HLD (High Leg Delta)



240 VAC Three Phase Delta



480 VAC Three Phase Delta



