

Specifications for LP Morgan Dipper/Flipper HEX codes



DIPPER/ FLIPPER REMOTE HECS CODES (HERMA PRODUCT CODE HER20HDIRKIT)

IR wavelength is 950 nm. Light is modulated at 38 KHz with 1/3 duty cycle. An on pulse must be at least 158 μ seconds (μ s) long (6 cycles) and should not be longer than 448 μ s (17 cycles).

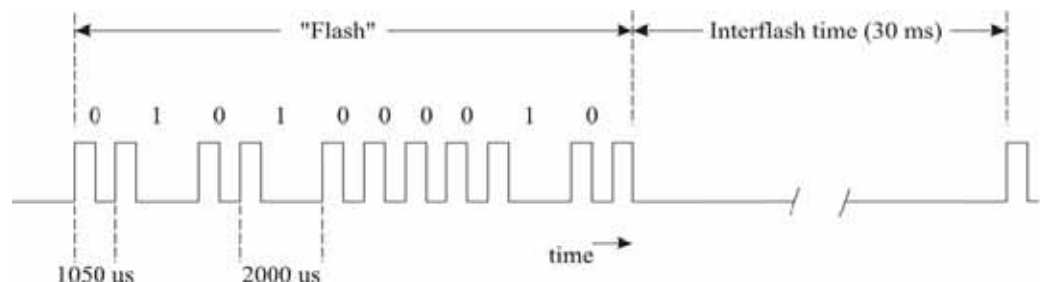
From the start of a pulse till the start of the next pulse is 1050 μ s for a “0 bit”, and 2000 μ s for a “1 bit”.

A Flash is 11 pulses (10 bits), minimum time between flashes (interflash time) is 11 mseconds (ms), 30 ms is recommended.

There is NO preamble.

Channel 1 OPEN sequence is 0101000010

The sequence always starts with 01, so for simplicity strip that off, and we get 0100 0010 = hex 42



The complete table of codes (in HECS) is:

OPEN 1	0x42	OPEN 16	0x48	OPEN 31	0x17	OPEN 46	0x59
CLOSE 1	0x22	CLOSE 16	0x28	CLOSE 31	0x0f	CLOSE 46	0x39
OPEN 2	0x62	OPEN 17	0x18	OPEN 32	0x57	OPEN 47	0x01
CLOSE 2	0x12	CLOSE 17	0x04	CLOSE 32	0x37	CLOSE 47	0x71
OPEN 3	0x32	OPEN 18	0x44	OPEN 33	0x4f	OPEN 48	0x69
CLOSE 3	0x0a	CLOSE 18	0x24	CLOSE 33	0x2f	CLOSE 48	0x65
OPEN 4	0x4a	OPEN 19	0x14	OPEN 34	0x5b	OPEN 49	0x1d
CLOSE 4	0x2a	CLOSE 19	0x0c	CLOSE 34	0x3b	CLOSE 49	0x1e
OPEN 5	0x1a	OPEN 20	0x54	OPEN 35	0x03	OPEN 50	0x1f
CLOSE 5	0x06	CLOSE 20	0x34	CLOSE 35	0x73	CLOSE 50	0x3c
OPEN 6	0x46	OPEN 21	0x4c	OPEN 36	0x6b	OPEN 51	0x3d
CLOSE 6	0x26	CLOSE 21	0x2c	CLOSE 36	0x67	CLOSE 51	0x3e
OPEN 7	0x16	OPEN 22	0x58	OPEN 37	0x41	OPEN 52	0x3f
CLOSE 7	0x0e	CLOSE 22	0x38	CLOSE 37	0x21	CLOSE 52	0x5c
OPEN 8	0x56	OPEN 23	0x1c	OPEN 38	0x61	OPEN 53	0x5d
CLOSE 8	0x36	CLOSE 23	0x70	CLOSE 38	0x11	CLOSE 53	0x5e
OPEN 9	0x4e	OPEN 24	0x68	OPEN 39	0x31	OPEN 54	0x5f
CLOSE 9	0x2e	CLOSE 24	0x64	CLOSE 39	0x09	CLOSE 54	0x77
OPEN 10	0x5a	OPEN 25	0x43	OPEN 40	0x49	OPEN 55	0x79
CLOSE 10	0x3a	CLOSE 25	0x23	CLOSE 40	0x29	CLOSE 55	0x7a
OPEN 11	0x02	OPEN 26	0x63	OPEN 41	0x19	OPEN 56	0x7b
CLOSE 11	0x72	CLOSE 26	0x13	CLOSE 41	0x05	CLOSE 56	0x6f
OPEN 12	0x6a	OPEN 27	0x33	OPEN 42	0x45	OPEN 57	0x7d
CLOSE 12	0x66	CLOSE 27	0x0b	CLOSE 42	0x25	CLOSE 57	0x7e
OPEN 13	0x40	OPEN 28	0x4b	OPEN 43	0x15	OPEN 58	0x75
CLOSE 13	0x20	CLOSE 28	0x2b	CLOSE 43	0x0d	CLOSE 58	0x6d
OPEN 14	0x60	OPEN 29	0x1b	OPEN 44	0x55	OPEN 59	0x78
CLOSE 14	0x10	CLOSE 29	0x07	CLOSE 44	0x35	CLOSE 59	0x7c
OPEN 15	0x30	OPEN 30	0x47	OPEN 45	0x4d	OPEN 60	0x74
CLOSE 15	0x08	CLOSE 30	0x27	CLOSE 45	0x2d	CLOSE 60	0x6c
OPEN ALL	0x76	CLOSE ALL	0x6e	STOP	0x52	WIND	0x50