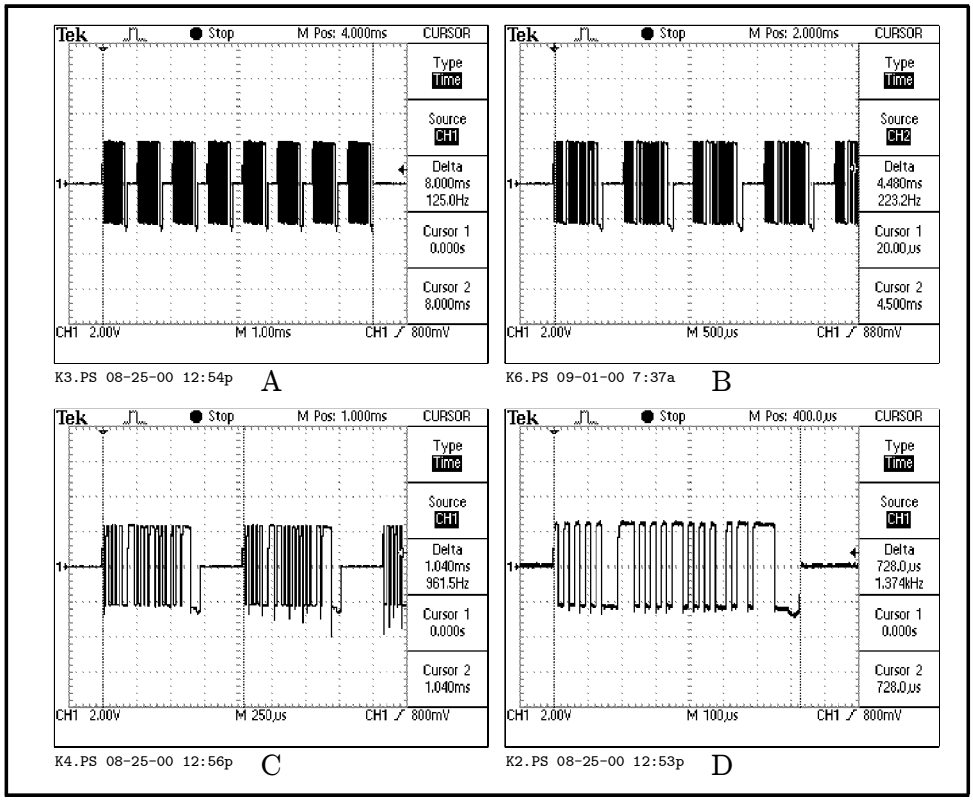
Burle command types

13 February 2001

There are at least two formats of commands used by the Burle (Philips) type dome systems. One is usually generated by LTC5136 keyboard type equipment (Type K, Figure 1, page 2) and the others are generated by TC8501 and LTC8801 type matrices (Type M, Figure 2, page 3 and Figure 3, page 4). I have included some example oscilloscope pictures of this data in this short note. It is important to note that the Type K commands consist of several short bursts of data and the Type M commands consist of two different lengths of "solid" data. Both formats are Manchester coded.

[1] `$Header$`

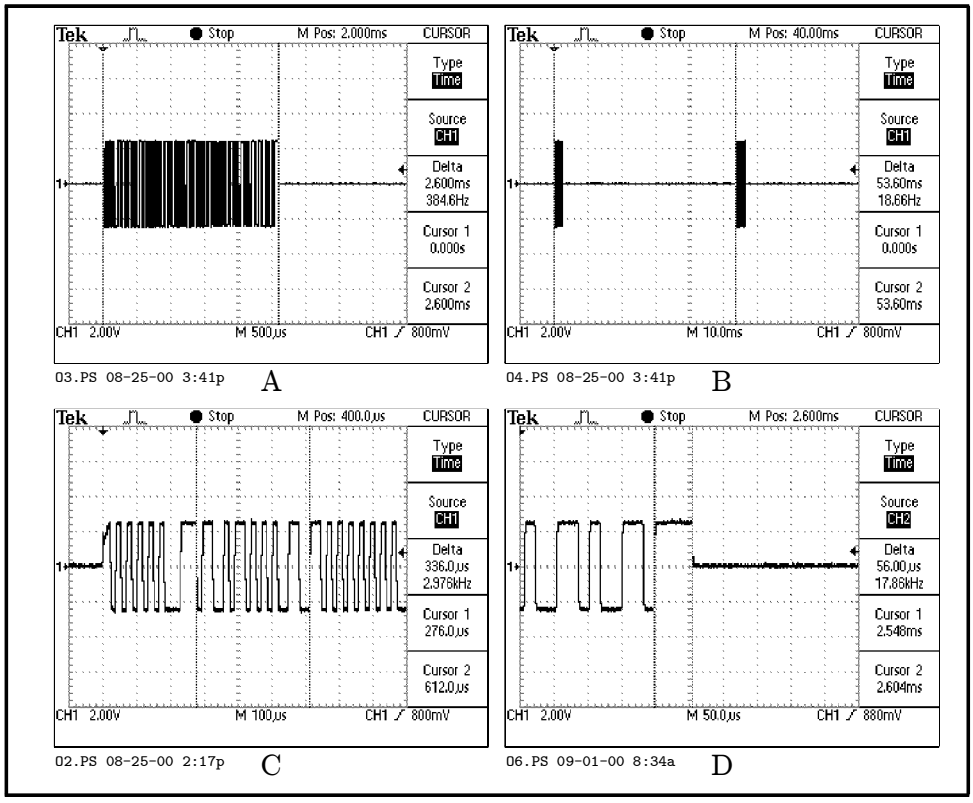


K6.PS, K3.PS, K4.PS, K2.PS $RCSfile: kstart.inc,v $

Figure 1. Format K, LTC-5136 Typical command

Item	Setting/Use
Trace 1	Raw data line
Command	Open Iris sent to Camera 9.
Figure A	Full command.
Figure B	Start of command.
Figure C	First two command bytes.
Figure D	First command byte.

[2] $Header: d:/ecr6171/RCS/kstart.inc,v 1.6 2000-11-27 14:22:49-08 Hamilton Exp Hamilton $

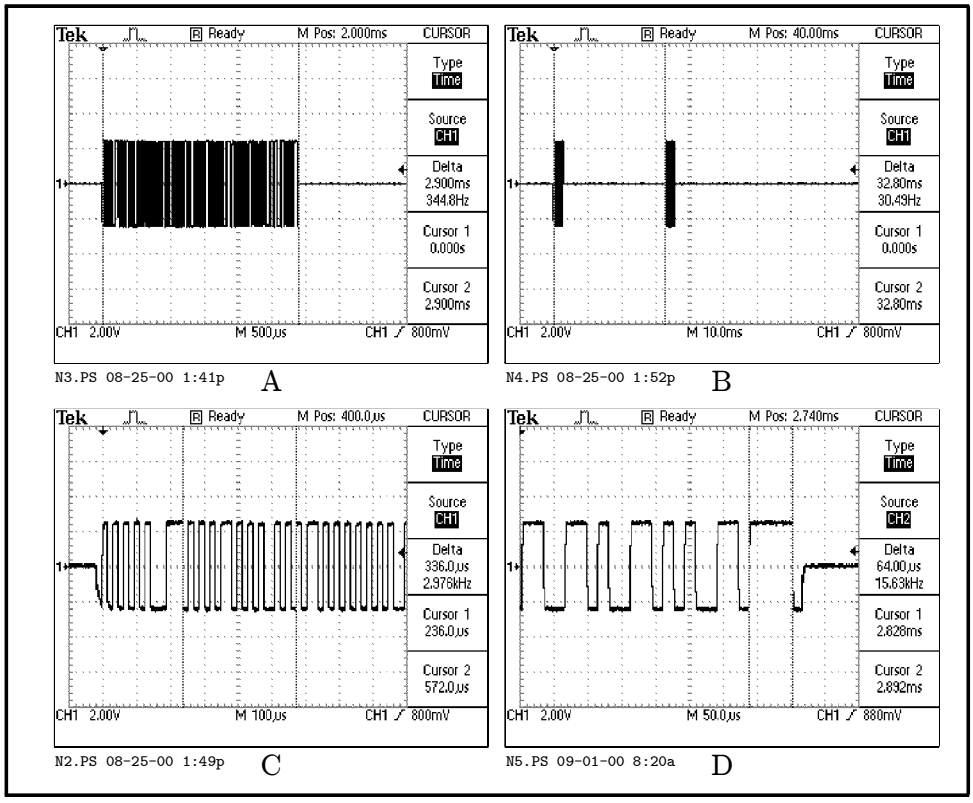


O3.PS, O4.PS, O2.PS, O6.PS $RCSfile: mocmnds.inc,v $

Figure 2. Format M, TC-8501 Basic command information

Item	Setting/Use
Trace 1	Raw data line
Command	Open Iris sent to Camera 9.
Figure A	Typical command.
Figure B	Repeated command.
Figure C	First few bytes.
Figure D	Timing of anti-sync pulse.

[3] $Header: d:/ecr6171/RCS/mocmnds.inc,v 1.5 2000-09-11 08:00:30-07 Hamilton Exp Hamilton $



N3.PS, N4.PS, N2.PS, N5.PS $RCSfile: mncmnds.inc,v $

Figure 3. Format M, TC-8801 Basic command information

Item	Setting/Use
Trace 1	Raw data line
Command	Open Iris sent to Camera 137.
Figure A	Typical command.
Figure B	Repeated command.
Figure C	First few bytes.
Figure D	Timing of anti-sync pulse.

[4] $Header: d:/ecr6171/RCS/mncmnds.inc,v 1.5 2000-09-11 08:00:30-07 Hamilton Exp Hamilton $