Dysan®
CE Division
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Dysan Mini 48 TPI Diagnostic Diskettes

DISKETTE MODEL NUMBER

508-100 Single sided, Single density (16 sectors/128 bytes)
508-200 Single sided, Double density (16 sectors/256 bytes)
508-300 Double sided, Single density (16 sectors/128 bytes)
508-400 Double sided, Double density (16 sectors/256 bytes)

FORMAT

	Side "0" and Side "1"
Track 0	Index Format and Progressive Offset
Track 3	Timing Track
Track 5	Progressive Offset
Track 7 thru 14	User Area
Track 16	Progressive Offset
Track 19	Progressive Offset
Track 21	Alternate Offset (1)
Track 24	Alternate Offset (2)
Track 27	Alternate Offset (3)
Track 30	Progressive Offset
Track 34	Index Format and Azimuth Rotation
Track 36	Timing Track
Track 39	Progressive Offset

INDEX FORMAT

Special Format used to obtain an index mark:
Single density - 10 bytes (field occupied with FF)
Double density - 20 bytes (field occupied with 4E)

PROGRESSIVE OFFSET

Tracks are written with track and sector ID fields on track centerline. Data fields are radially displaced from the track centerline as shown below. Positive values indicate an offset toward the spindle, negative values indicates away from the spindle.

Sector Number	Offset in Milli-inches
1	+ 6
2	- 6
3	+ 7
4	- 7
5	+ 8
6	- 8
7	+ 9
8	- 9
9	+10
10	-10
11	+11
12	-11
13	+12
14	-12
15	+13
16	-13

TIMING TRACK

This track is used to check the head load timing of the drive. The first sector ID header (#1) occurs 1 ms after photo index and at 1 ms increments thereafter.

USER AREA

This is memory space alloted for user programs.

ALTERNATE OFFSET (1)

All odd sectors are written offset +7 milli-inches.
All even sectors are written offset -7 milli-inches.

ALTERNATE OFFSET (2)

All odd sectors are written offset +8 milli-inches.
All even sectors are written offset -8 milli-inches.

ALTERNATE OFFSET (3)

All odd sectors are written offset +9 milli-inches.
All even sectors are written offset -9 milli-inches.

AZIMUTH ROTATION

This track is written on track centerline. Track and sector ID fields are written at zero azimuth. Data fields are written with the head azimuth angle shown below.

Sector Number	Azimuth in Minutes
1	+21'
2	-21'
3	+24'
4	-24'
5	+27'
6	-27'
7	+30'
8	-30'
9	+33'
10	-33'
11	+36'
12	-36'
13	+39'
14	-39'
15	+42'
16	-42'

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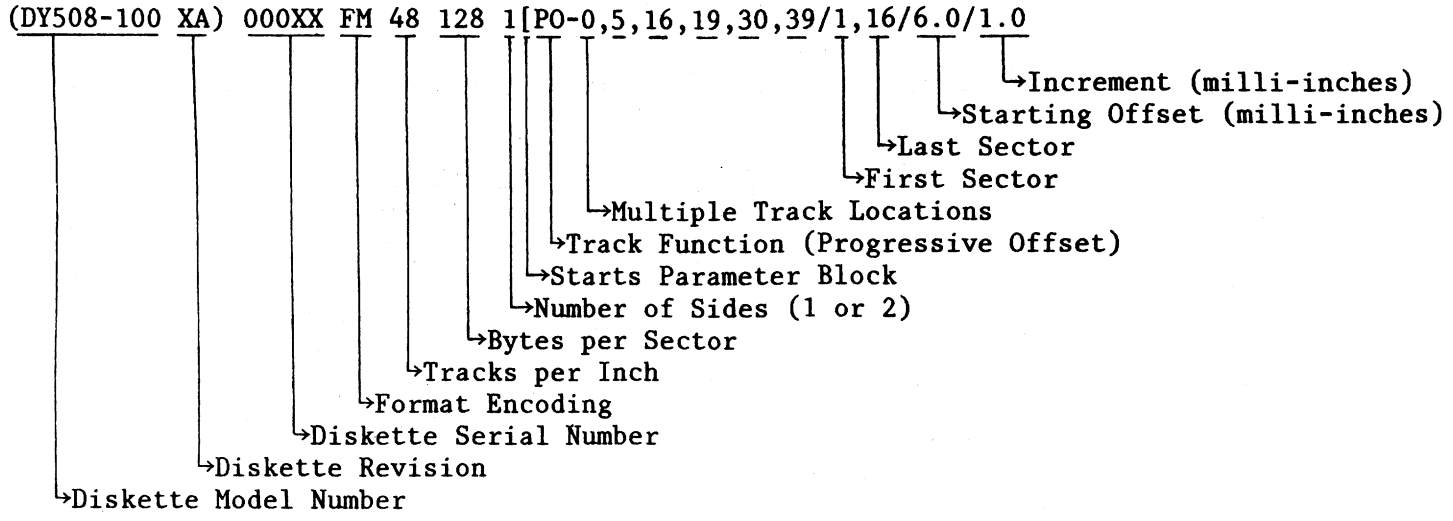
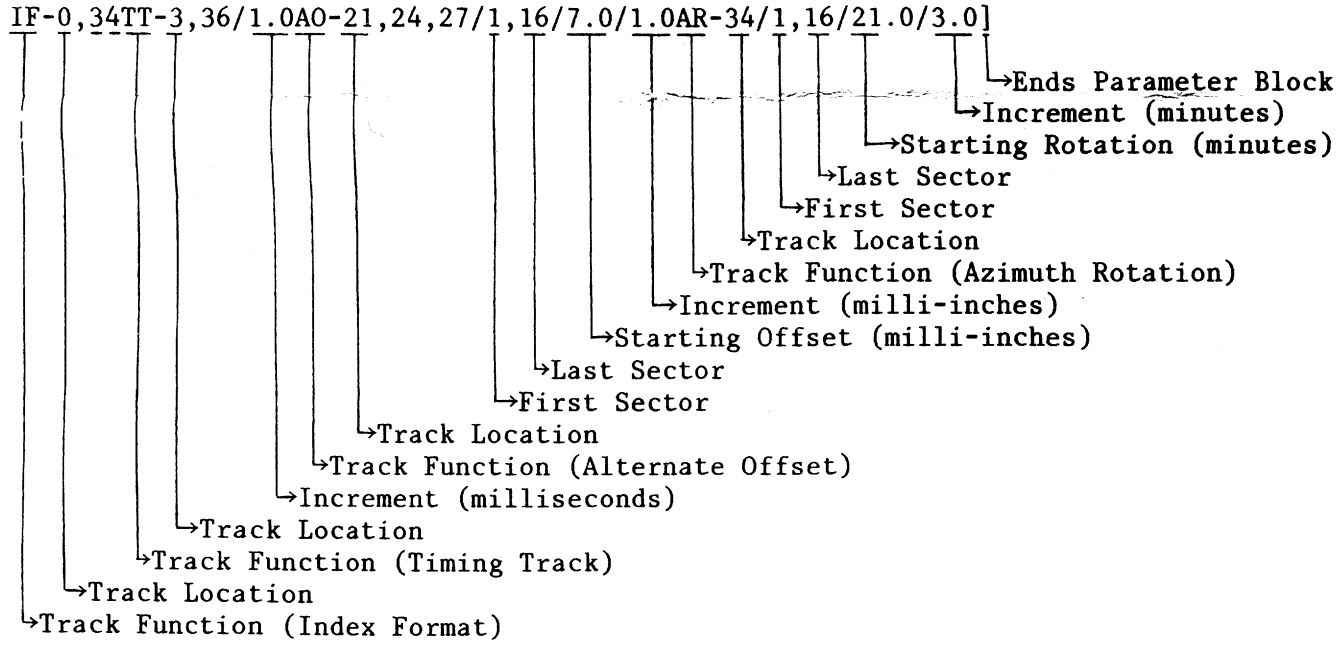
Sectors 1 and 2 of all recorded tracks, except the timing tracks, are recorded with the diskette revision, serial number, part number, format type, tracks per inch, bytes per sector, and number of sides. Also, there is a block identifying track locations and functions along with the range and increment of each track. This information appears as follows:





As shown above in the example, a (/) is an operator that delimits a parameter within a function, and a (,) is a delimiter within the parameter.