D5200 Programmer

Tech Lit:

D5200 Programmer Operation Manual

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FEATURES

- ◆ **4-Line Liquid Crystal Display**

- ◆ **Custom Keyboard [Load, Copy, Navigate]**

- ◆ **Up to 8 programmable passwords with programmable specific function access authority**

- ◆ **D5200CE package includes programmer, case, manual, and pre-installed D5215 MEMEX ["A" Drive Memory Expander] Board.**

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FEATURES [cont'd]

◆ "A" Drive memory capacity [w/ D5215] 512K

◆ Optional "B" Drive: Epson RAM cards ranging in capacity from 32K to 1 Mbyte

◆ Runs on 4 "C" Cell batteries

◆ Optional [Radio Shack] adapter port

◆ Internal lithium battery holds "handlers" and programs in absence of external power

◆ Low Batt Msg: Auto [2-10 min] Time-out & TIMEOUTSAVE feature

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FEATURES [cont'd]

- ◆ **51 programmable DataLock codes: Primary, 35 "auto alter", 15 non-auto alter**

- ◆ **NEWRECORD default program for each handler.**

- ◆ **LOCKRECORD option.**

- ◆ **VISMODE record customizing option.**

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FEATURES [cont'd]

Easy UPDATE
   Transfer handlers & locked records

◆ **Telephone   [Telco Port]   300 baud**
   RADX>D5200
   D5200>D5200   No "Mini-RAM"

◆ **D5200>D5200 ["RS-232" Port] 19.2K baud**
   D5200>D5200

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D5200 INTERNAL COMPONENTS

[D5200 Op, Fig. 30]

- ◆ **AC Adapter** & **TELCO-type** Ports
- ◆ **R98** LCD Contrast Adjuster
- ◆ **J12** D5215 MEMEX Installation Connector
- ◆ **J5** EPSON RAM Card Connector
- ◆ **LITHIUM BATTERY** [*Not* Field - Replaceable]
- ◆ **"C" Cell batteries** & battery compartment.
- ◆ **Sounder**

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D5200 SOUNDER

- ◆ *CLICK*   Indicates a key has been pressed [Except: ON, CAP LOCK, SHIFT]

- ◆ *PIP*   Data entry has been accepted

- ◆ *TWEEDLE* Invalid / inappropriate data entry

- ◆ *BUZZ*   System Error [Low Battery, Time Out, Panel Not Connected] has occurred.

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D5200 FRONT

[D5200 Ops, Fig. 1]

- ◆ **KEYBOARD**

- ◆ **NAVIGATIONAL KEYS**

- ◆ **FUNCTION KEYS**

- ◆ **LCD DISPLAY**

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ON key turns on the programmer, which then scans its own memory before askng for a password. [White **ENTER** Key is Default]

There's no OFF Key; **5200 OFF** is an option [**ENTER GROUP** to accept] in the first level of programming. It's the last option, but you can Arrow Up one time to get to it, since menus in all **5** programming levels are *wraparound*.

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SPACE bar functions as option toggle; Yes to No and btwn multiple choices from a single program prompt.

Y and **N** also function as Yes and No respectively.

CAPS LOCK is a dummy key.

SHIFT Key for entering upper case characters above numbers; *all* letters print in caps.

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White **ENTER** Key accepts / enters info into the program, and is factory default passcode #1.

ENTER GROUP, **EXIT GROUP**, and **arrow** keys for navigating:

> between five programming levels
> between lines of a program
> between spaces on a single line

BACKSPACE erases as it goes

Arrow Left moves cursor without erasing

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LOAD / SEND sends program to panel
[from *anywhere in program*]

COPY / RECV copies program from panel
[from **NEW RECORD** prompt]

CLEAR erases the prompted program data
response from the D5200 LCD.

CANCEL restores the last **ENTERED** [Saved]
response to the program prompt on the
D5200 LCD.

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D5200 INITIAL SCREEN

D5200 PROGRAMMER

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Rev. # ___.___

Password: _ _ _ _ _ _ _ _

Shipped with no password assigned.

Press ENTER

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D5200 PROGRAMMING LEVELS

[D5200 Ops, Fig. 8]

- *PRODUCT HANDLER* and Utilities
- *RECORDS* and Utilities
- *MODULES*
- *CATEGORIES*
- *PROGRAM ITEMS*

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<u>D5200 PROGRAMMING LEVEL #1</u>

[D5200 Ops, Fig. 3]

PRODUCT HANDLER and Utilities

Handlers: 2071, 2112, 2212, 4112, 6112, 636,
7112, 7212B, 8112, 9112B, 6500, C601

DISKSTAT

SECURITY

UPDATE

DELETE

5200 OFF

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D5200 PROGRAMMING LEVEL #1

[D5200 Ops, Fig. 3]

PRODUCT HANDLER and Utilities

Handlers are the sets of questions [prompts] that the D5200 presents to you in the last four levels of programming with respect to the specific product you're programming, and the specific application [job] for which you're programming it.

Utilities refer to the D5200, its contents, and its functionality.

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D5200 PROGRAMMING LEVEL #1

[D5200 Ops, Fig. 3]

PRODUCT HANDLER and Utilities

The list of products may include handlers that were shipped in the D5200 from the factory, and handlers that you've since added through the UPDATE function.

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D5200 PROGRAMMING LEVEL #1

[D5200 Ops, Fig. 3]

DISKSTAT prompts you to review on the D5200 LCD [by pressing the ENTER GROUP Key] :

Current Disk: Defaults to "A"; Spacebar toggles to "B".

Size Kilobytes: 512K for A if D5215 used. B capacity if Epson card plugged in.

Free Kilobytes: Unused memory

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D5200 PROGRAMMING LEVEL #1

[D5200 Ops, Fig. 3]

SECURITY

Passwords: Create 8 passwords -- with variable programmable authority levels -- for D5200 users

Lockcodes: Program a Primary and 50 additional panel lockcodes

Format Disk: [Defaults to "B" Drive]

Time Out: Programmable 2 to 10 minutes

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D5200 PROGRAMMING LEVEL #1

[See *D5200 Security Utility: Passwords and Lockcodes Record Sheet* in D5200 Ops Manual]

Password #1 [which when programmed replaces the ENTER Key as a password] has intrinsic authority to perform all 9 functions which comprise the basis upon which the up to 7 other passwords you may create can be differentiated from one another. Passwords can contain 8 or less characters.

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D5200 PASSWORD AUTHORITY LEVELS

allow you to enable some D5200 users --
but not others -- to:

Delete Records   *Edit Vis / Invis*

Delete Handlers   *Update Handlers*

Edit Lockcodes   *Replace Records*

Edit Passwords   *Format Disks*

Lock and Unlock Records

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D5200 PASSWORD AUTHORITY LEVELS

Delete Records   Individual programs. [2nd level of programming]

Delete Handlers   Entire handlers ! 1st level.

Edit Lockcodes   Stay tuned.

Edit Passwords   All 8 of them !

Update Handlers   To be further discussed.

Format Disks   Mostly for "B Drivers"

The list continues ...

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Edit Lockcodes   **Factory Default: 12345 [All]**

Primary: **Company's lockcode**

#1 thru #35:   **Automatically alter. Can be initially used / reused until panel is reprogrammed w/ company's D5200 or RAM; then become invalid.**

#36 thru #50:   **Remain valid until panel next programmed after deletion from lockcode list in company programming devices.**

All lockcodes 5 - digits.

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Edit Passwords

"I changed all 8 passwords in my only D5200 programmer, and wrote a list of the new passwords."

"My helper ate the list."

"What can I do to the D5200 out here in the "real world" to default it back to its original, pristine, shipped - from - factory [#1 is ENTER Key, no others enabled] state?"

Frequently asked question.

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"NOTHING !"

You have to send it to *our* state [California] so we can blow everything off your "A" Drive, reload handlers, and send it back.

You will have lost *all* your programs.

Only correct response to frequently asked question.

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... the list continues   - from 5 slides ago

D5200 PASSWORD AUTHORITY LEVELS

Update Handlers

Lock / Unlock Records

Edit Vis / Invis

These functions interrelate

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Update Handlers

TELCO PORT **D5200 A or B to D5200 A or B**

300 Baud **or**

RADX Updt Sys to 5200 A or B

DATA PORT **D5200 A or B to D5200 A or B**

19.2K Baud

Locking a record merges it with the handler for update purposes.

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Lock / Unlock Records

is accomplished -- along with VisMode -- in the 2nd level of programming, *after a handler has been selected in the 1st level, the* ENTER GROUP *key pressed, and a record* [including possibly New Record] *has been selected* [ENTER GROUP again].

A Locked record can't be replaced, *but can be saved under a different name*.

A Locked record is merged with its handler, and transported along with it when that handler is updated.

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[2nd] <u>RECORD LEVEL OF PROGRAMMING</u>

NEWRECORD   [Originally] RADX Default
   Program for handler
   selected in 1st level

Other [Saved, Job - Specific] Record Titles.

DELETE   Records, not Handlers

COPY   Give a saved file a new title

VISMODE

LOCKRECORD

   The last 2 utilities   make this product shine
!

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Edit Vis / Invis   **2nd Programming level**

Choose handler in 1st level.   ENTER GROUP

Choose record in 2nd level.   ENTER GROUP

Note program entries as displayed. EXIT GRP

Arrow UP to VISMODE.   ENTER GROUP

Type in name of record reviewed.   ENTER

Display reads "VISMODE NO"   SPACEBAR

Display reads "VISMODE YES"   EXIT GROUP

Display indicates "NEW RECORD"

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Edit Vis / Invis [cont'd]

Arrow down to selected record. ENTER GROUP

Note letter "V" next to each module
   listed in MODULE LEVEL.   ENTER GROUP

Note letter "V" next to each category
   listed in CATEGORY LVL.   ENTER GROUP

Note letter "V" next to each item   listed in
   ITEM [5th] LEVEL.   SPACEBAR

Item "V" changes to "I" [Invis]   SPACEBAR

Item "I" changes to "V". [Visible]

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Edit Vis / Invis [cont'd]

If you change an item to "I", then Replace the file [or save it under a new title], that item becomes Invisible in the D5200 display.

Still takes up memory space.

Still loads to and copies from the panel.

But remains invisible.

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Edit Vis / Invis [cont'd]

If you change a category to "I", then Replace or save file under a new title, *that category and every item within it* becomes invisible.

If you change a module to "I", then Replace or save under a new title, *that module and every category and item within it* becomes invisible.

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Edit Vis / Invis [cont'd]

If you make anything invisible in a specific program, it will remain invisible in that program only.

If you make anything invisible in New Record, it will remain invisible in New Record, and in every single program that you subsequently save under that handler!

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Edit Vis / Invis [the last word]

As we review the many pages of program options, consider how many items:

- don't change from one job to the next
- you want to create from scratch each job
- you want to scan past to get to the ones that *do* change

Consider that time spent scanning rather than "cutting to the chase" is time wasted

Might it not be better to ...

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Create Your Company's
STANDARD PROGRAM by

- *Unlocking New Record*

- *Rewriting New Record as <u>your</u> standard prog.*

- *Enabling VisMode*

- *Making standard New Record items invisible*

- *Replace File. [Exit Grp, and -- from "SAVE" prompt -- Exit Group <u>again</u>. From <u>REPLACE</u> prompt, press white ENTER Key.*

- *Relock New Record.*

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"STANDARD PROGRAM" PROCEDURE

NEW INSTALLATION

- ◆ Wire system & power up panel
- ◆ Load *New Record* [Company Standardized and VisMode Customized]
- ◆ Copy panel
- ◆ Save what you copied under new title
- ◆ Scan [only] through & program job-specific variables.
- ◆ Load panel. Test & demo.

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Any Questions ???

Hope this helps.

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