

CASP/2500 QUICK INSTALLATION AND REFERENCE

Installing CASP

1) Connect CASP to a Power Source

AC Models (L, H, M): 90-135 VAC or 180-265 VAC 47-440 Hz, 5 amps max.

DC Model (D): 10.5-18 VDC or 18.2-40 VDC, 25 amps max.

2) Power On CASP

The display will initially show CASP

CASP ID (Changeable in "099" table)

CASP Model

H 7.0 ok

Firmware version

3) Check CASP Startup Display for Error

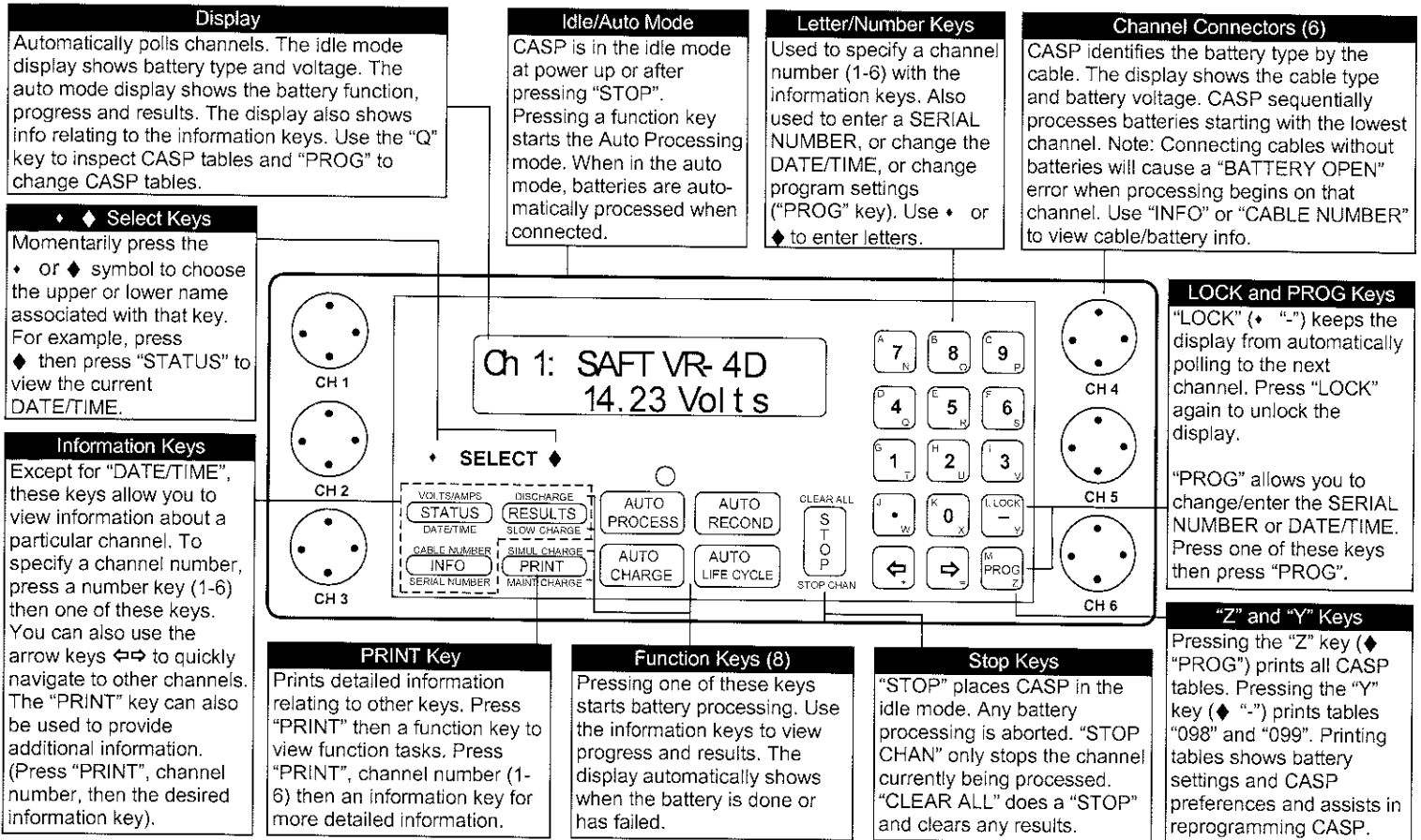
Contact the factory if the display shows CPU

CRASHED/RESET or MEMORY CORRUPTED. Check the input voltage if the display shows LOW INPUT VOLTAGE.

4) Display Polling Shows Channel Info

The display will automatically begin to poll the channel connectors for cables/batteries.

Front Panel



Information Keys

STATUS, RESULTS, INFO, VOLTS/AMPS, CABLE NUMBER, and SERIAL NUMBER Keys

These keys show information related to a particular channel. Press the channel number (1-6) then press one of these keys to view that information.

Entering a Serial Number (Optional)

Press the channel number (1-6) then "SERIAL NUMBER" then "PROG". Use the letter/number keys to enter the serial number. Press ⇐ or "STOP" to exit.

Printer Configuration

1) Connect Serial Printer to CASP

Connect the printer to CASP using RS-232 serial cable. Set the printer to 8 data bits, 1 start bit, no parity, DTR busy data protocol, line feed after carriage return, 10 cpi, 1200 or 9600 (recommended) baud, ETX/ACK off.

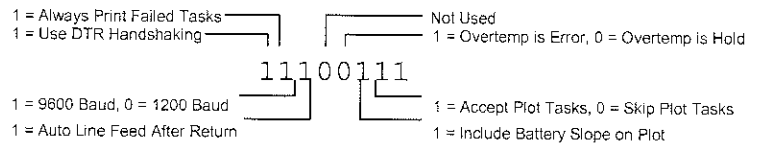
2) Check CASP Printer Settings

CASP can operate at 1200 or 9600 baud. To check CASP printer settings:

- Press "STOP" then "Q" (τ "4") to place CASP in the inspection mode.
- Enter table number "099" then press the \Rightarrow key until the Printer Code is shown.

3) Printer Code

The printer code consists of 8 flags. Shown below are the values and recommended settings:



4) Changing The Printer Code

To change the Printer Code, press "STOP" then "PROG". Enter the password then press the \Rightarrow key. Repeat step "b" at left then enter the desired printer code values ("1" or "0").

Connecting Cables and Batteries

1) Connect Battery Cables and Batteries to CASP

- Display polling shows the battery type and voltage for each channel.
- It is OK to leave one or more channel connectors unused. You can also add additional cables and batteries later.
- Connecting cables without batteries will cause a "BATTERY OPEN" error when processing begins on that channel.

2) Confirm Battery Type Shown In The Display

- Press "INFO" at any time to view and check battery settings.
- Use the arrow keys $\Leftarrow \Rightarrow$ to quickly view other channels.
- When using a printer, press "PRINT", then channel number (1-6) then "INFO" to print detailed CASP settings for a battery on a particular channel.

Auto Processing Batteries

1) Press The Desired Function Key†

AUTO PROCESS: Checks the discharge capacity of the battery then recharges it. AUTO PROCESS is the most often used function key.

AUTO RECOND: Reconditions the battery by using a series of slow charge, discharge and regular charge tasks. Use AUTO RECOND when the battery capacity is low or fails.

AUTO CHARGE: Recharges the battery without checking capacity. This is the quickest way to charge a battery.

AUTO LIFE CYCLE: Determines battery life by repeatedly charging and discharging the battery until the capacity is below the minimum amp hour value programmed in the battery parameter table.

†The function keys programmed in your CASP may perform differently. You can view the tasks for any function key by pressing "PRINT" followed by the function key. Refer to the CASP/2500 User's guide for information on using the DISCHARGE, SLOW CHARGE, SIMUL CHARGE, and MAINT CHARGE function keys

2) Auto Processing Mode

Once a function key is pressed, CASP will automatically begin processing batteries or new batteries as soon as they are connected. You do not need to press any keys.

3) View Battery Progress and Results

CASP processes batteries sequentially, starting with the lowest channel number. The display automatically polls the channels and shows the status of the current task or next task to be performed. When a battery has completed, the display for that channel will show "DONE". You can remove this battery and connect another. Battery processing on that channel will automatically begin when CASP has finished processing the other channels. If a battery fails, the display will show "FAILED" or "REJECT" and a brief description of the problem. If a printer is connected, it will provide detailed results and troubleshooting tips.

4) Changing Battery Processing

Pressing a function key places CASP in the Auto Processing mode. To change battery processing, press "STOP" then the desired function key. You can assign function keys to individual channels by pressing "PROG" immediately after pressing a function key. The channel assignment screen allows you to press a function key for a particular channel (use the arrow keys $\Leftarrow \Rightarrow$ to change channels). Press "PROG" again to begin processing, or "STOP" to cancel.

Troubleshooting

1) Battery Processing Fails

Error Description: The display shows "FAILED" or "REJECT" and a brief error message. If you have a printer connected, it will include troubleshooting tips on the printout.
Wrong Settings: Press "PRINT", then the channel number (1-6), then "INFO" to print the battery settings CASP is using for this battery. Confirm that these settings are correct.

Bad Battery: Replace the battery or substitute a known good battery.

3) The DATE/TIME Is Wrong

Press DATE/TIME (τ then "STATUS") then press "PROG". You can then enter the correct values. Use the arrow keys $\Leftarrow \Rightarrow$ to step to the next/previous value. Press "STOP" to exit.