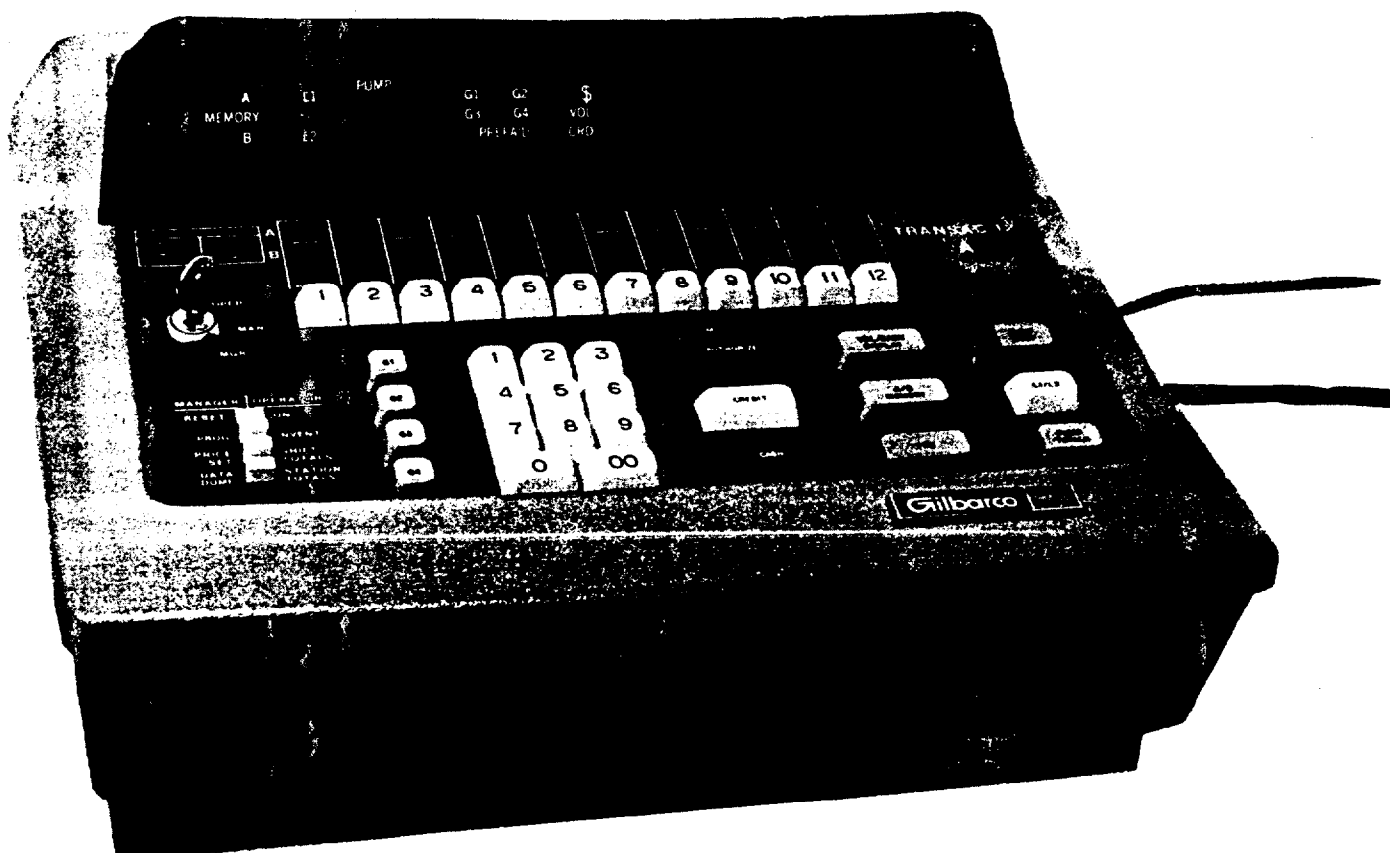




MDE 1599A

**PROGRAMMING
and OPERATING
INSTRUCTIONS**

**TRANSAC
12A**



TRANSAC 12A

The purpose of this manual is to acquaint the Station Manager and the console Operator with the capabilities of the TRANSAC 12A system and the details of its operation. This manual should be read in its entirety before the console is programmed for operation.

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BASIC FEATURES OF THE TRANSAC 12A SYSTEM

- Each console has a maximum capability of controlling twelve positions (H-111B pumps or dispensers in any combination of singles and duals or six MPD units)
- Each console will monitor the product Inventory for four grades.
- A low level inventory warning can be programmed into the console to warn the console operator if product inventory gets too low.
- The console will handle Prepay sales (the customer pays for a specific amount of product before the delivery). These prepaid sales are indicated on the console display.
- The console will handle Postpay sales (the customer pays the cashier after the delivery).
- The console will also handle Preset-Postpay sales (the customer desires a specific amount of product but pays after the delivery).
- The console can be programmed to Preset based on volume or money amounts.
- The console has Status Indicators for each pump to inform the operator of the status of each pump (Authorized-Off-Payment due-Call for service).
- The console will read the dollar and volume amount of each purchase.
- The console will set and read the prices for all pumps (Central Price Setting) with two level pricing capability for each grade.

- The console has buffer memory capabilities (this allows back to back sales on the same hose with the console retaining the sale amounts of each sale).
- The console has an EMERGENCY STOP button allowing the operator to stop all deliveries and a PUMP STOP button allowing the operator to stop individual pumps.
- The console has the capability for automatic de-authorization of a pump if the pump is not used within a programmed time period.
- The console provides SHIFT and STATION TOTALS by grade as well as various cash totals as explained later in this manual.
- The console is equipped with a battery backup system to retain all totals and inventory information for a minimum of 72 hours if the AC power is interrupted.
- The console can be used to put pumps in a MANUAL or Full Service mode while still retaining full totals and inventory data.

SECTION 2

GENERAL INFORMATION

The TRANSAC 12A console will allow a Station Manager to control and monitor all volume inventory and money totals only if the system security is maintained. To maintain the system security two keys are provided with each console. The silver key is the Manager's key and is used to perform all Management functions. With this key it is possible to clear or reset all totals (except the individual Pump Totals) and also to change all prices. Obviously, control of this key is necessary to assure system security. The gold key is for the console Operator. With the gold key the system can be fully operated, however, the only totals which can be reset are the Shift Totals. By keeping a comparative record of both Station Totals and Shift Totals the Manager can maintain the system security while allowing the Operator to clear the Shift Totals for easier bookkeeping. As explained in Section 3 of this manual, the Operator of the

console can change the prices only if the Station Manager enters a Manager Price Set Code. The Operator can also add to the Inventory in the event a product delivery is made when the Manager is not available.

To allow maximum utilization of the TRANSAC 12A console, it is recommended that, at each shift change, the Operator be instructed to record the Shift Totals, Station Totals, and the Inventory. The Operator should then reset the Shift Totals to zero. The next Operator will then have a clear beginning point and should easily be able to keep track of the money and volume transacted on his shift.

The Station Manager can reset the Station Totals at any time with his Manager Key, but it is recommended that this be done at some set interval. This interval could be once a month or when the station makes an inventory justification with the product supplier. Mechanical totals available on each

H-111B or MPD unit should also be recorded at a set interval.

Section 3 of this manual explains all the optional methods of using the TRANSAC 12A console and should be read completely before the system is programmed.

If a TRANSAC PRINTER is installed, refer to MDE-1585 TRANSAC PRINTER Operating Instructions for proper printing procedures.

To insure maximum life from the TRANSAC 12A console the following precautions should be taken:

1. Do not position the console in direct sunlight.
2. Keep the area behind the console clear to allow air flow to the cooling fan.
3. NEVER place any liquid (coffee, coke, etc.) on the console.
4. Press any key or button only hard enough to depress it.
5. If you encounter difficulty with totals accumulation or operation of the console, verify that the console programming and operational steps are correct according to MDE-1578.
6. When a problem occurs which you cannot resolve, give all the pertinent information to the serviceman with as much detail as possible.

SECTION 3

SUGGESTED APPLICATIONS

The TRANSAC 12A management system is designed to assist the Station Manager in his bookkeeping on a day to day basis. The information contained here is intended to assist the Station Manager in choosing and applying a particular management method. Each Management procedure is discussed in detail; however, the specific instructions on how to apply each method are covered in MDE-1578. Only one of the following price options can be used at one time, but all systems can be reprogrammed if the price option desired changes.

Cash/Credit - Single Price

This option is applicable if a station is to be operated with only one price for each grade of product and for bookkeeping purposes it is desirable to know the total cash sales and total credit card sales. With this option, the station operator and manager can read out the total dollar amount of a shift and this total figure can be read as two totals, one for CASH and one for CREDIT.

To use this option the console must be programmed for SINGLE LEVEL price option.

After each delivery, the payment due signal may be cleared with either the CASH or CREDIT button. All CASH payments will be accumulated in the CASH totals and the CREDIT payments will be accumulated in the CREDIT totals. The sum of the CASH and CREDIT totals will equal the total money.

Cash/Credit - With a Different Price for CASH and CREDIT

This option would be applicable if a different price is desired for CASH and CREDIT (e.g., a discount for cash payment). With this option, the totals will be accumulated in the console on a CASH and CREDIT basis. At a shift change, the Station Manager and the Operator can read out a CASH total and a CREDIT total. The sum of these two totals will equal the total money.

To use this option, the console must be programmed for the CASH/ CREDIT option. When setting the prices, L1 must be the CASH price and L2 must be the CREDIT price.

In the CASH/CREDIT option, the price level is selected with the CASH and CREDIT buttons. In all other price options, the CASH and CREDIT buttons indicate only the form of payment.

Before each delivery, the Operator must select the price level by pressing either CASH or CREDIT prior to authorizing the pump. This not only selects the price, but also chooses the form of payment. Any delivery done at the CASH price must be paid out by pressing the CASH button after the delivery. Any delivery done at the CREDIT price must be paid out by pressing the CREDIT button after the delivery.

The point to remember with this price option is that both the price level and the form of payment must be selected prior to every transaction to insure accurate totals and pricing.

Day/Night - Day Price and Different Night Price

This option is applicable in stations where a discount period is utilized. For example, if a station has a higher price at night or a lower price during a happy hour, the DAY/NIGHT option would be used. The point to remember is that ALL pumps must change price at the same time.

To utilize this option the console must be programmed for DAY/NIGHT price option. The two levels of prices for each grade must be set consistently. This means that the lower price for each grade must be on the same level.

EXAMPLE:

Grade 1	L1	\$112.9
	L2	\$114.9
Grade 2	L1	\$116.9
	L2	\$118.9
Grade 3	L1	\$120.9
	L2	\$122.9
Grade 4	L1	\$124.9
	L2	\$126.9

In this example, the L1 prices would be used in the day and the L2 prices would be used at night. The form of payment may still be indicated by clearing a payment due signal with the CASH or CREDIT buttons. This is a convenience to aid in bookkeeping. When reading the totals of the console, the total money is equal to L1 plus L2 and the total money will also equal CASH plus CREDIT.

Two Level - L1/L2

This option is applicable in special cases where two prices are to be used but not on a CASH-CREDIT basis. An example would be giving preferred customers a lower price or perhaps a discount for very large purchases.

To use this option the console must be programmed for L1/L2 price option. Two prices per grade must be programmed. The price level for each transaction (L1 or L2) must be selected prior to the dispensing unit operating handle being turned on. The dispensing unit will display and dispense product at the selected level. After each transaction the CASH or CREDIT button may be used to pay out a transaction. At a shift checkout when reading totals, note that the CASH total will reflect all transactions paid in CASH regardless of the price level. The CREDIT total will reflect all transactions paid in CREDIT. The sum of CASH plus CREDIT will equal the total money. The sum of L1 and L2 totals will also equal the total money.

Split Island (Self Serve - Full Serve) This option is used in a station where some dispensing units are operated on Self Service and some are operated on Full Service. The dispensing units which are left in console or Self Service operation will operate at the L1 price level and the units operated in Manual or Full Service will operate at the L2 price level.

To use this option, the console must be programmed for SPLIT ISLAND operation. Then, all dispensing units which are for Full Service must be programmed for Manual operation. Any sale on a Self Serve unit may be paid out with either CASH or CREDIT, depending on the form of payment.

When reading the totals, the L2 money total will be the Full

Service total and the L1 total will be the Self Service total. The sum of L1 and L2 will equal the Money total. The CASH total plus the CREDIT total will equal the Self Service, or L1 total.

Additional Programming Options

In addition to the above price options, the TRANSAC 12A console has the following optional programs.

The TRANSAC 12A can be programmed to preset on either a money or volume basis. This programming applies to all pumps and can be changed only by the Station Manager. Volume preset for an MPD unit requires an additional step of selecting the pump number then the specific grade before authorization.

The console also has a buffer memory to allow the console Operator to stack transactions.

EXAMPLE: One customer finishes his delivery and the Operator can Authorize another delivery on the same pump. The console memory will retain the first delivery data. This feature can be disabled by programming for SINGLE MEMORY.

The TRANSAC 12A console can be programmed for automatic deauthorization of any pump not in use after a period of time up to 255 seconds. This feature may be disabled by programming the console for a time-out of 0 seconds. If automatic de-authorization is disabled, any authorized hose will remain authorized until used.

Prepaid Indicator

The Prepaid Indicator will alert an Operator if a sale has been prepaid throughout the delivery and after the delivery until a new delivery has been started on the hose. (All other display indicators are blanked during a delivery.)

Pre-Armed Beeper

If hoses are left AUTHORIZED and the Operator wishes to be alerted when a customer arrives at the hose the pre-armed beeper should be enabled. If enabled the console beeper will beep four (4) times when a pre-authorized hose is turned on. If this feature is not desired the pre-armed beeper should be disabled. MDE-1578 contains the information necessary for this programming.

Operator Price Change

In the event a price change is necessary when the Station Manager is unavailable, the Station Manager may enter a Price Set Code number in the console. The Operator can change all prices ONE TIME by using this code. This enables the Manager to retain system security even though he is not present during a price change.

SECTION 4

After deciding which of the price options to use, it is necessary to program the console accordingly. The following steps will aid the Station Manager in accurate programming of the console. The following information is contained in MDE-1578 for day

to day use; however, for initial start up of the station, these procedures are applicable.

When power is applied to the TRANSAC TWELVE console, it will be in an EMERGENCY STOP mode. To prepare the console for operation or programming, you must turn the key to OPERATOR, press the ON button, then press any operable PUMP SELECT.

Initial Start-Up

NOTE: Both Status Indicators for all operable pumps must be OFF to perform any management functions.

Inventory Functions

The TRANSAC 12A console will provide a declining balance Inventory for four grades of product and also a Low Level Warning in the event the product level goes below a pre-determined amount. This warning consists of the appropriate Grade Indicator on the console display blinking after each delivery on that product after the low level amount has been reached.

Reset Gasoline Inventory

- Turn the key to MANAGER
- Press the RESET button
- Press G1, then 0 on the keyboard to display the G1 Inventory
- Press AUTHORIZE to reset the G1 Inventory to zero
- Repeat for G2, G3, and G4

Set Gasoline Inventory

- Measure the product level in the tank
- Turn the key to OPERATOR

- Press the INVENTORY button
- Press G1
- Enter the G1 product level on the keyboard
- Press AUTHORIZE
- Repeat for G2, G3, and G4

Set Low Inventory Warning Level

- Turn the key to OPERATOR
- Press the INVENTORY button
- Press G1 then the 00 button on the keyboard to display the existing low level amount
- Enter the desired Low Level amount on the keyboard
- Press AUTHORIZE
- Repeat for G2, G3, and G4

Console Totals

To insure accurate totals accumulation in the console, it is necessary to clear all the totals information from the console. This establishes a starting point for the console and all paperwork. At this time, record all PUMP TOTALS to establish a starting point for the pumps. The mechanical totals should also be recorded at this time.

Reset Station Totals (Volume)

- Turn the key to MANAGER
- Press the RESET button
- Press G1 to display the Grade 1 volume total
- Press AUTHORIZE to reset G1 volume totals
- Repeat for G2, G3, and G4

To Reset Station Totals (Money)

- Turn the key to MANAGER
- Press the RESET button
- Press the 00 button on the keyboard to display the total money
- Press AUTHORIZE to reset all money totals to zero (CASH, CREDIT, L1 and L2)

Reset Shift Totals

- Turn the key to OPERATOR
- Press the SHIFT TOTALS button
- Press the 00 button on the keyboard
- Press AUTHORIZE (This resets all Shift Totals, both money and volume)

Console Programming

To program the console for different options:

Preset Programming

- Turn the key to MANAGER
- Press PROGRAM
- Press either MONEY PRESET or VOLUME PRESET
- Press AUTHORIZE

Memory Programming

- Press either SINGLE MEMORY or DUAL MEMORY
- Press AUTHORIZE

Automatic Pump

De-authorization Time

- Press TIME-OUT (this displays the old de-authorization time)
- Enter the new de-authorization time on the keyboard
- Press AUTHORIZE

NOTE: To disable de-authorization time-out, enter 0 as the new time.

Price Option

NOTE: The console may be programmed for only one price option.

- Press SINGLE LEVEL
- Press AUTHORIZE

OR

- Press DAY/NIGHT
- Press AUTHORIZE

OR

- Press CASH/CREDIT
- Press AUTHORIZE

OR

- Press L1/12
- Press AUTHORIZE

OR

Press SPLIT ISLAND
Press AUTHORIZE

NOTE: For Split Island option, all full service pumps must be put in Manual as explained in MDE-1578.

Pump Totals (H111B)

- Turn key to OPERATOR
- Press the ON button
- Press the PUMP SELECT button
- Press the PUMP TOTALS button (this displays the money Pump Total)
- Press the VOL/CASH button (this displays the volume pump total)

Pump Totals (MPD)

- Turn key to OPERATOR
- Press the ON button
- Press the PUMP SELECT button
- Press the PUMP TOTALS button
- Press the G1 button (this displays the G1 money Pump Total)
- Press the VOL/CASH button (this displays the G1 volume pump total)
- Repeat the above for G2 and G3 (an MPD cannot be G4)

The above steps must be taken initially to insure the TRANSAC 12A console is functioning properly. At this time the

console totals should be zeroed and the correct Inventory loaded in. All PUMP TOTALS should be recorded for a beginning point. MDE-1578 contains all the necessary step by step procedures to program and operate the TRANSAC TWELVE console on a day to day basis. Please refer to MDE-1578 for further information on system operation.

CAUTION

The TRANSAC TWELVE console is wired to a small (16" by 5" by 5") box called the Distribution Box. Inside this box are twelve toggle switches and a red indicator. In the event the console Status Indicators all begin to blink on and off, and the displays for money blink zeros, the Loop is broken and console control of all pumps is lost. To regain at least partial control, open the Distribution Box and do as follows:

1. Put all toggle switches in the ISOLATE position.
2. One at a time, put the switches in the NORMAL position.
3. Any switch which causes the Loop Continuity Indicator to go out must be left in ISOLATE.
4. Console control will now be regained for all pumps not isolated.

CALL A SERVICE MAN

SECTION 5

DEMONSTRATION AND TRAINING MODE

The TRANSAC 12A system has an Operation and Programming demonstration built into the

console with no extra parts required. This will be useful to a Station Manager to train his Operators on various functions of the system. This Demonstration Mode could be used prior to the system becoming operational to practice programming and operation of the system. To set up the system for demonstration, the Data Loop must be completed in one of two ways. If the console is wired to the Distribution Box, all pumps must be OFF and all NORMAL/ISOLATE switches must be in ISOLATE. (The Loop Continuity Indicator will be ON). If the Console is not wired to the Distribution Box, the ends of the Data cable must be shorted together. Use a paper clip or a short piece of wire to connect the red wire to the black wire.

To demonstrate or simulate the programming options of the TRANSAC 12A you must only program the unit as you normally would. The following programming options must be programmed before entering the Demonstration Mode.

1. Memory Option (Single or Dual)
2. Preset Option (only MONEY PRESET for demonstration purposes)
3. Price Option (SINGLE LEVEL, CASH/CREDIT, SPLIT ISLAND, DAY/NIGHT, or L1/L2)
4. De-authorization Time Out
5. Manager Price Set Code
6. Grade for pumps must be programmed per MDE-1578.
7. Central Price Setting
8. Manual pump programming (for SPLIT ISLAND option)
9. Pre-armed beeper enable or disable.

The console is now ready for demonstration. To enter the Demonstration Mode:

- Turn the key to OFF
- Press digit 2 on the keyboard, then digit 2 again (22 will appear in the right hand display)
- Press AUTHORIZE
- Press the 00 button on the keyboard
- Press AUTHORIZE
- Press a PUMP SELECT

The following keyboard digits are used to simulate the various signals coming from a pump:

1. Keyboard 1 simulates a CALL signal (Transaction beginning on a MANUAL pump).
2. Keyboard 2 simulates the beginning of a transaction.
3. Keyboard 3 simulates a delivery complete for a Fill-up, incomplete preset, or a Manual pump.
4. Keyboard 4 simulates a complete Preset/Prepay transaction.

A typical Preset/Prepay transactions, using the SINGLE LEVEL price option, would be run as follows:

- Press the PUMP SELECT of the pump you wish to simulate
- Press keyboard 1 (CALL signal)
- Press the PUMP SELECT
- Enter the Preset amount on the keyboard (the amount must be between \$5.00 and \$99.00 and digits 1-4 may not be used.
- Press CASH (or CREDIT)
- Press AUTHORIZE
- Press keyboard 2 (delivery begins)

- Press keyboard 4 (delivery complete)
- Press the PUMP SELECT to display the delivery amount

Any type transaction except a complete Preset-Postpay may be simulated in the Demonstration Mode. All totals and inventory data will appear to be updated by each delivery so that Shift checkout can be demonstrated. After the Demonstration Mode is complete, all totals and inventory will return to the original settings.

The following functions can be simulated by normal operating procedures while in the Demonstration Mode.

1. Fill-up transaction
2. Preset/Prepay transaction
3. Incomplete Preset transaction with Preset Recall
4. Volume and Price for each transaction
5. A/B memory use
6. EMERGENCY and PUMP STOP
7. PUMP TOTALS
8. Printer functions
9. Totals accumulation and inventory functions

When the demonstration is complete, turn the key to OPERATOR to leave the Demonstration Mode.