Pump User Manual

ATEX ALPHA FC10 PUMP RANGE

ALPHA FUEL DISPENSER INCORPORATING FC10 FUEL CONTROL SYSTEM

Please read carefully <u>before</u> use

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USING THE FC10 ALPHA PUMP

1. ALPHA PUMP TERMINAL FEATURES

The Alpha Pump Terminal, pictured below, is fitted into the front of the Alpha fuel dispenser.

FEATURES:

Display: This shows pump totals as well as user information and instructions. The display is backlit to allow the pump to be used in all light conditions.

Keypad: Used to enter information such as odometer readings and PIN codes.

Data Tag Reader Slot: This is where the Data Tag is inserted by the user to initiate the dispensing of fuel.

PLEASE NOTE:

This guide for using the FC20 terminal.
All registered software users will have been emailed a link to authenticate their account for the Hytek FMO online cloud software. If you have not received this email, then please contact Hytek at technical@hytekgb.com, or call 01279 815600.

STANDBY DISPLAY
THE FC10 TERMINAL IN STANDBY MODE

This is when the FC10 Terminal is powered up, with the display illuminated, but not in use.

DISPLAY INFORMATION:

Ongoing Totaliser Pump 1: This is the number shown in the top left-hand corner of the display screen. It is the total amount of fuel dispensed by pump 1 since installation. This cannot be reset.
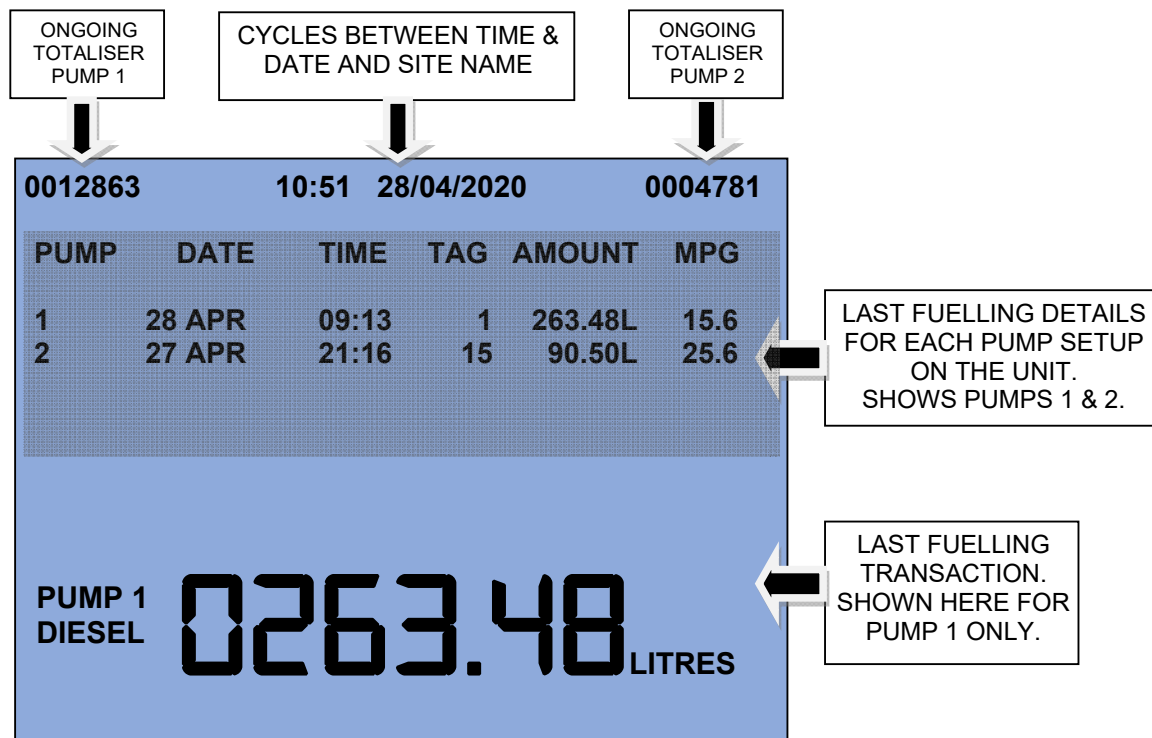
Ongoing Totaliser Pump 2 (Only if second pump is connected): This is the number shown in the top right-hand corner of the display screen. It is the total amount of fuel dispensed by pump 2 since installation. This cannot be reset.

Time & Date/Site name: This is shown in the centre at the top of the display screen.

Last Transaction Details: These are shown in the dark coloured box in the centre of the display screen.
They include the pump number (1-2), Data Tag ID number, time & date of the last transaction, quantity of fuel delivered and the vehicles MPG calculation (if odometer input is requested).

Last Amount Dispensed: This is shown in large text at the bottom of the display screen and is for PUMP 1 only.

ONGOING TOTALISER PUMP 1	CYCLES BETWEEN TIME & DATE AND SITE NAME	ONGOING TOTALISER PUMP 2

0012863	10:51 28/04/2020	0004781

PUMP	DATE	TIME	TAG	AMOUNT	MPG
1	28 APR	09:13	1	263.48L	15.6
2	27 APR	21:16	15	90.50L	25.6

LAST FUELLING DETAILS FOR EACH PUMP SETUP ON THE UNIT. SHOWS PUMPS 1 & 2.

PUMP 1 DIESEL 0263.48 LITRES

LAST FUELLING TRANSACTION. SHOWN HERE FOR PUMP 1 ONLY.

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FUELLING FROM PUMPS CONNECTED TO THE FC10 TERMINAL

THE FUELLING PROCEDURE:

1. INSERT TAG

Insert Data Tag into the Data Tag Reader Slot. The display will show the Data Tag ID number and the registration number of the vehicle the Data Tag is allocated to.

If a message for the vehicle user is stored on the system, it will be displayed now. The **ENT** key on the keypad will have to be pressed to acknowledge the message before fuel can be drawn.

If a driver **PIN CODE** is requested for this vehicle tag, then it will need to be inputted now. Enter the PIN CODE and then press **ENT** on the keypad.

```
VEH TAG No.        = 25
REGISTRATION       = ABC 123


PLEASE ENTER PIN CODE
>
```

2. SELECT PUMP

If the FC10 unit is configured to for more than a single pump, then you will now be prompted to select the pump required for fuelling the vehicle. Pumps numbered 1-2 with fuel type will be displayed.
If a pump is currently in operation, then **BUSY** will be displayed. Any pump marked as **AVAILABLE** can be selected.
If a vehicle is restricted to only certain a fuel or fuels, then only those pumps will be available for selection.

```
VEH TAG No.        = 25
REGISTRATION       = ABC 123
DRIVER No.         = 15

PLEASE SELECT A PUMP ....

PUMP 1   DIESEL         AVAILABLE

PUMP 2   ADBLUE         BUSY
```
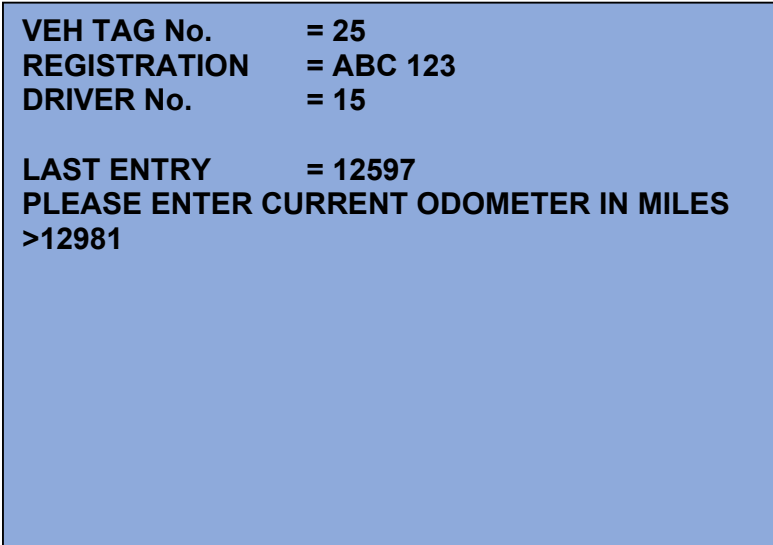
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3. ODOMETER INPUT

If entry of the vehicle's odometer reading is required, the display will show **PLEASE ENTER CURRENT ODOMETER** along with the odometer type in **MILES, KM or HOURS**.

The last odometer reading entered for this vehicle will also be shown if this feature has been enabled in the Fuel Manager software.

Input in the current vehicle odometer reading on the keypad, followed by pressing the **ENT** key.

If an invalid odometer is inputted, then the system may prompt you re-enter the odometer again.

```
VEH TAG No.        = 25
REGISTRATION       = ABC 123
DRIVER No.         = 15

LAST ENTRY         = 12597
PLEASE ENTER CURRENT ODOMETER IN MILES
>12981
```

4.FUELLING IN PROGRESS

REMOVE DATATAG will now been displayed on the screen. Once the tag is removed the display will show the pump selected as **PUMP ACTIVE**.

You may now remove the nozzle from the pump selected and fuel your vehicle. The litres being delivered will now register on the FC10 display.

>>> **REMOVE DATATAG** <<<

0012863		10:51	28/04/2020		0004781
PUMP	**DATE**	**TIME**	**TAG**	**AMOUNT**	**MPG**
1	PUMP ACTIVE		25	22.48L	15.6
2	27 APR	21:16	15	90.50L	25.6

PUMP 1
DIESEL
0022.48 LITRES

4. <u>FUELLING COMPLETE</u>

On completion of the fuel delivery replace the nozzle in the pump nozzle holster. You will hear a series of beeps from the FC10 indicating the system is timing out and ending the transaction. **FUELLING COMPLETED** will now be shown.

The amount of fuel delivered will be retained on the FC10 display screen until a Data Tag is inserted into the Data Tag Reader Slot.

0012863		10:54	28/04/2020		0004781
PUMP	DATE	TIME	TAG	AMOUNT	MPG
1	FUELLING COMPLETED				
2	27 APR	21:16	15	90.50L	25.6

PUMP 1
DIESEL **0097.02** LITRES

0012863		10:54	28/04/2020		0004781
PUMP	DATE	TIME	TAG	AMOUNT	MPG
1	28 APR	10:54	25	97.02L	18.1
2	27 APR	21:16	15	90.50L	25.6

PUMP 1
DIESEL **0097.02** LITRES

5. OVERRIDE FUELLING:

The override switch is for emergency use and should only be operated on the advice of a qualified fuel control engineer. The override switch will override any motor time-out functions, so it must be used with caution.
Ensure that the override switch is not left in the ON position for extended periods of time whilst the pump is unattended.

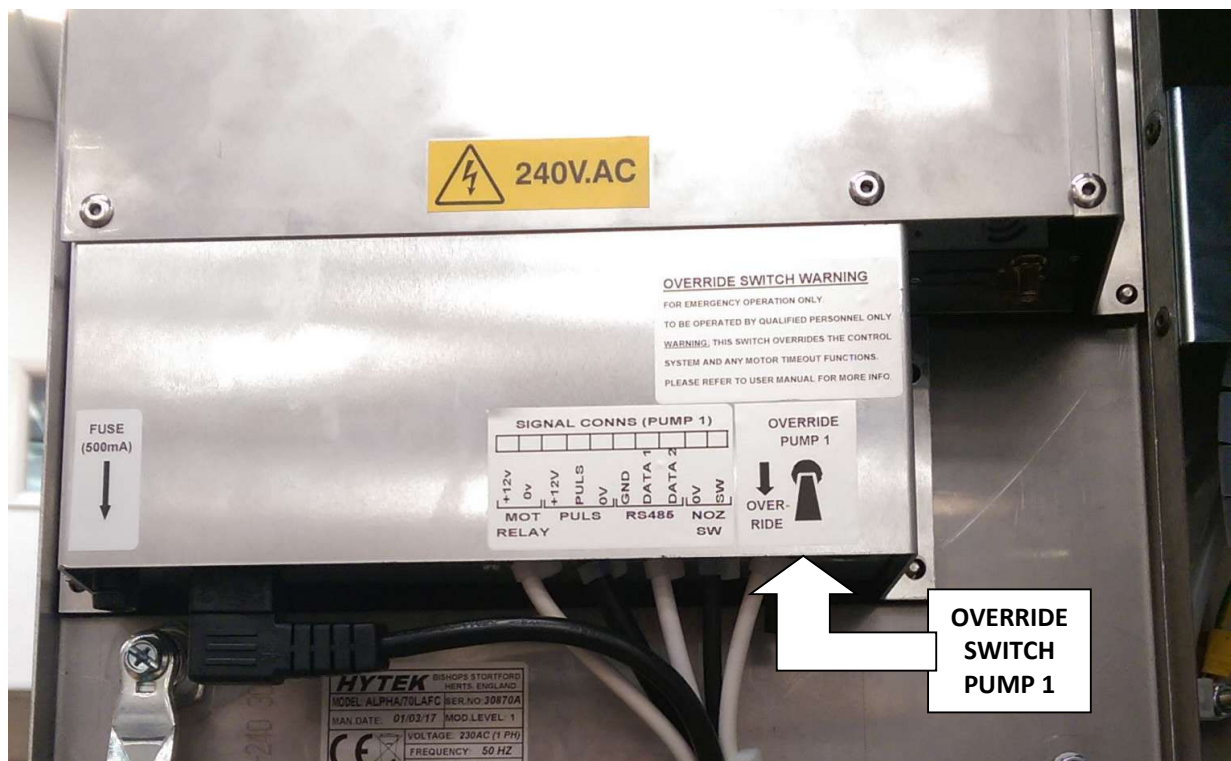To operate the OVERRIDE switch please follow the below instructions:

a.) If the FC10 Fuel Control System has to be overridden in order to draw fuel from the pump you will need to open the door of the pump cabinet and locate the OVERRIDE pump toggle switch on the back of the door.
Please note: Some FC10 units can control an additional pump unit. On two pump versions, there will be separate toggle switches for PUMP 1 & PUMP 2.

b.) Flick the OVERRIDE switch to the ON position and then close the pump cabinet door. You will then need to remove the nozzle from the pump nozzle holster to start the motor running. Place in the vehicle fuel tank filler and draw fuel.

c.) On completion of the fuel delivery replace the nozzle in the pump nozzle holster to stop the motor.

d.) In order to take the FC10 out of OVERRIDE operation and back into normal operation mode you will need to open the FC10 cabinet door and flick the corresponding pump toggle switch to the OFF position.

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