PERADON

SINCE 1885

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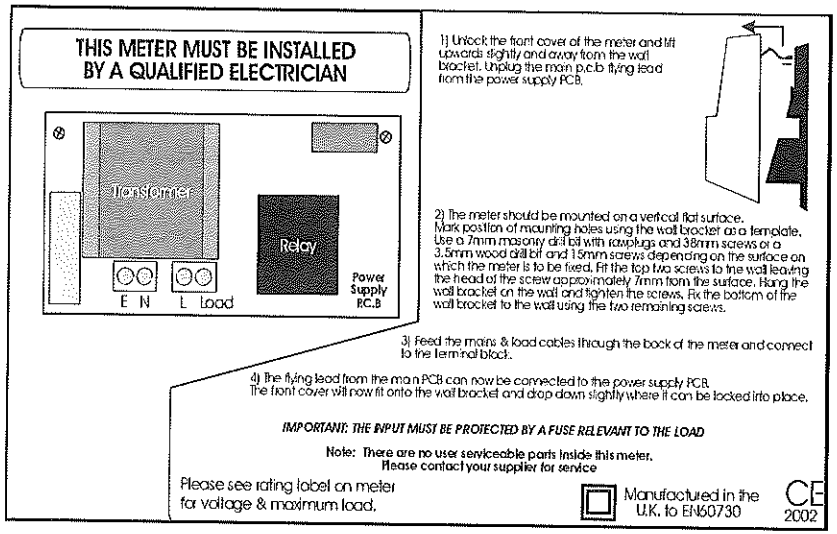
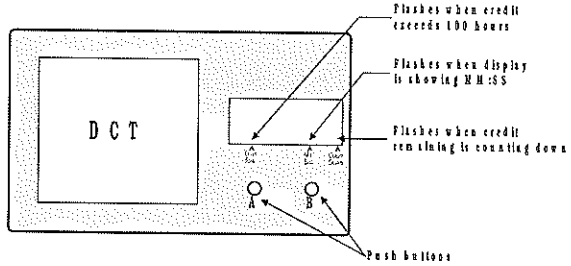
DCT Installation & Operating Sheet – Issue 2

This meter is a coin/token operated electronic timer for the control of leisure based electrical appliances, e.g. lighting.

This meter is only intended for use with fixed wiring





Switch on power

On power up the meter will briefly show 'P.31.1' then the credit remaining on the meter.

To operate meter

Insert coin/token. The display will briefly show 'Coin'. The display will then show the remaining credit. If the credit is greater than one hour it will be displayed in hours & minutes, e.g.; 2 hours will be displayed as '02:00'. If the credit is less than one hour it will be displayed in minutes & seconds, e.g.; 40 minutes will be displayed as '40:00' and an indicator will flash on the display to show this.

Collector functions

Resettable Money (Token) Counter
When the coin box becomes full, the message 'COLL' (collect) is displayed.
Upon removal of the coin box the display will automatically show the resettable money counter. This will show how much money has been inserted into the meter since the last collection.
When the coin box is reinserted, the money counter will automatically zero before displaying the remaining credit.
Note: To prevent the money counter from zeroing, insert the coin box with 'B' pressed.

Service Mode
To access service mode remove the coin box, press and release switch 'B' until the display changes to ' St . 01 '.
The service mode consists of 4 settings.

St.01 Credit Per Coin 1
Sets the amount of credit given by a 1 pound coin or token (except L1 token). Set in HH.MM or MM.SS

St.02 Credit Per Coin 2
Sets the amount of credit given by a 1e, 50c, 10p, 20p coin or L1 token. Set in HH MM or MM SS

St.03 Total Money
Displays the total amount of money/tokens inserted since the last factory reset (This is a read only display and cannot be changed)

St.04 Total Credit
Displays the total amount of credit given since the last factory reset. (This is a read only display and cannot be changed).

To View or Change Settings
Press and release 'B' to step to the desired setting number.
When the required number is showing on the display press and release 'A' to display the current setting. Press and release 'A' to select the digit to be changed then press and release 'B' to alter that digit.

To Clear Credit Remaining
Remove coin box. Display will show re-settable money counter.
Press and release switch B, display will show 'Clr'. Press 'A' & 'B' together and credit will be cleared.
Note: If already in service mode, the display must be returned to show 'Clr' before this feature can be used (Press and release 'B' until 'Clr' is shown).

Credit Save
When available, the credit save is activated by the customer by pressing switch 'B'. This will suspend the credit countdown and turn off the output to the load. The word 'HELd' will be displayed. To resume the countdown and reconnect the load, press switch 'A'.

Override Key Switch (optional)
When the override key is inserted and turned, the load will switch on and the word 'FrEE' will be displayed. This action will also clear any remaining credit from the meter.

ATTENTION

*THIS METER IS CAPABLE OF SWITCHING A MAXIMUM LOAD OF **30 AMPS** (resistive)*

Example:

7000 Watts at 230V AC

If in doubt please contact your supplier before installing this meter.

THIS METER MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN

Error Messages

Error	(Er.xx)	Description
01		Opto 1 (£1) detected an object not conforming to the required parameters.[1]
02		Opto 2 (20p) detected an object not conforming to the required parameters.[2]
03		IIC communication error talking to the non-volatile memory.[3]
04		Not used – Now replaced with 'Sync' message. See below.[4]
05		Opto 1 validated but meter is configured as a 10p or 20p only.[5]
06		Opto 2 validated but meter is configured as a £1 only.[6]
07		Opto 1 validated but St.01 is zero.[7]
08		Opto 2 validated but St.02 is zero.[8]
09		Not used
10		Not used
11		Not used
12		Not used
		If any of the error messages 13 – 16 are encountered please contact the technical department.
13		System Error – Mode routine entered with invalid 'mode' value.
14		System Error – Temp_mode routine entered with invalid 'Temp_mode' value.
15		System Error - '_Add_Mc' entered with zero 'Coin Value'.
16		System Error – IIC routines internal error.
SynC		Formerly Er.04 – Software re-synchronising with the 50Hz signal.[4]

Notes:
1. Opto 1 is the coin sensor used to validate £1 coins, L2 & L4 tokens. If the sensor detects that the coin is the wrong size it will show the error message.
2. Opto 2 is the coin sensor used to validate 20p, 10p, €1 & 50c coins or L1 tokens. If the sensor detects that the coin is the wrong size it will show the error message.
3. This is usually caused by a faulty component (IC4).
4. The meter has sensed that the mains supply has been switched off/on. This message is only normally displayed for a second as the meter is switched on or off. If the message is being displayed intermittently there may be a loose connection around the PSU PCB area of the meter.
5. Use CFG.1 – digit 1 to set the meter up for the correct coinage.
6. Use CFG.1 – digit 1 to set the meter up for the correct coinage.
7. Set a value in St.01.
8. Set a value in St.02