

DOCKLANDS LIGHT RAILWAY

THORN EMI

This system opened on 31st August 1987 running from Tower Gateway to Island Gardens and Stratford. Pudding Mill Lane opened 15 January 1996

Initially, machines manufactured by Thorn EMI were used and 2 were provided at each station, built into a purpose-built brick structure. The machine has 15 buttons to select the destination required plus 2 for adult or child. The fare is then displayed and decreases as coins are inserted. The ticket is then issued together with any change due. The ticket showed the fare paid, Adult or Child, the corresponding adult fare, machine number and ticket number. Each station also had 2 validators, these were free-standing columns. The ticket was inserted in the slot and immediately returned. At the same time an arrow against the messages 'Ticket Valid' or 'Ticket not Valid' was displayed. If the ticket was valid, a line of text was printed. This showed the station name, machine number, time and date. Tickets had to be inserted into a validator before travel to be valid for use. The machine numbers of the validators were the same as the ticket machines at each station.

The validators were removed from June 1989, and at the same time, the data printed by the ticket machines was changed. These now show A or C (for Adult or Child), fare paid, 3 letter station code, machine number, date, time and ticket number.

Thorn EMI machines at some stations have now been replaced by Westinghouse Cubic machines, indicated by #.

STATION	ORIGINAL M/c.No.	NEW STATION CODE & M/c.No.	
ALL SAINTS	150 151	ALS 0 1	
BOW CHURCH	130 131	BOC 0 1	
CROSSHARBOUR	070 071	CRO 0 1	Also 2 machines in the London Arena car park
DEVONS ROAD	140 141	DEV 0 1	
HERON QUAYS	090 091	HEQ 0 1	
ISLAND GARDENS	050 051	ISG 0 1	Original station, closed
LIMEHOUSE	030 031	LIM 0 1	
MUDCHUTE	060 061	MUD 0 1	Original station, closed
POPLAR	160 161	POP 0 1	Original Low Level entrance
	- -	2 3	High Level entrance
PUDDING MILL LANE	- -	A 0 1	Incorrect code
SHADWELL	020 021	SHA 0 1	
SOUTH QUAY	080 081	SOQ 0 1	
STRATFORD	120 121	STR 0 1	
TOWER GATEWAY	010 011	TOG 0 1	
WEST INDIA QUAY	110 111	WIQ 0 1	
WESTFERRY	040 041	WES 0 1	

WESTINGHOUSE CUBIC

The first machine was brought into use at Tower Gateway on 22nd October 1990, to supplement the existing Thorn EMI machines. Tickets were similar in layout to London Underground UTS tickets.

The machines have 2 vertical columns of fare buttons marked A - P, reference being made to a panel on the machine listing the stations available and the related code letter. A further vertical column of buttons provide the ticket type, adult, child, single, return and Travelcard. Illuminated displays indicate that the machine is "OPEN", others show "CHANGE GIVEN" or "OVERPAYMENT ACCEPTED". The latter would be displayed if change was not available, but a ticket could still be issued.

From 7th January 1996, the layout was changed to the same as the re-designed UTS tickets. The code on the bottom line is prefixed by the NLC.

Canary Wharf opened 2 April 1991 for workmen only and public opening 12 August 1991, Poplar to Beckton opened 28 March 1994

STATION	NLC	CODE	M/c.No.	
BECKTON	0870	BEC	44 45	
BECKTON PARK	0871	BEP	50 51	50 EB platform, 51 WB platform
BLACKWALL	0872	BLA	42 43	
CANARY WHARF	0852	CAW	01 02 03 04 05 06 07 08 09 10 11 12	01/02 1st Floor East, 03/04 1st Floor West, 05/06 Ground Floor East, 07/08 South Colonade, 09/10 Ground Floor West, 11/12 (assumed, no tickets seen) North Colonade - now removed
CROSSHARBOUR	0854	CRO	15 16	15 east side, 16 west side
CUSTOM HOUSE	0875	CUH	24 25	
CYPRUS	0876	CYP	48 49	48 EB platform, 49 WB platform
EAST INDIA	0873	EAI	38 39 40 41	39/40 street level, 38/41 upper level
GALLIONS REACH	0877	GAR	46 47	
ISLAND GARDENS	0856	ISG	17 18	17 supplemented Thorn EMI machines from -04-90, then 18 replaced Thorn EMI machine 1

PRINCE REGENT	0878	PRR	22	23	
ROYAL ALBERT	0879	ROA	52	53	
ROYAL VICTORIA	0880	ROV	26	27	26 south side, 27 north side
SOUTH QUAY	0861	SOQ	13	14	
TOWER GATEWAY	0773	TOG	10		Supplemented Thorn EMI machines from
	0864	TOG	30	31	22-10-90, then re-numbered 0864 30,
					later removed and 2 machines replaced
					existing Thorn EMI machines
WESTFERRY	0865	WES	36	37	36 WB, 37 EB

Re-designed layout From 07-01-96
Refer to previous list for locations of machines

ALL SAINTS	0850	ALS	01		
BECKTON	0870	BEC	44	45	
BECKTON PRK	0871	BEP	50	51	
BLACKWALL	0872	BLA	42	43*	
BOW CHURCH	0851	BOC	07		
CANARY WHRF	0852	CAW	01*02	03 04	
			05 06	07*08*	
			09	10	
CANNING TN	6963	CAT	54		
CROSSHARBR	0854	CRO	15	16	
	0856	CRO	17	18	Additional machines transferred from Island Gardens, NLC not changed
CUSTOM HSE	0875	CUH	24	25	
CYPRUS	0876	CYP	48	49	
EAST INDIA	0873	EAI	38	39*40 41*	
GALLIONS RH	0877	GAR	46	47*	
HERON QUAYS	0855	HEQ	26		
ISLAND GDNS	0856	ISG	17*18*		Closed, replaced by new station, machines transferred to Crossharbour
LIMEHOUSE	0862	LIM	38		
MUDCHUTE	0857	MUD	28*		Closed, replaced by new station
PRNC REGENT	0878	PRR	22*23		
P MILL LANE	0859	PML	09		
RL ALBERT	0879	ROA	52	53	
RL VICTORIA	0880	ROV	26	27	
SHADWELL	0860	SHA	40		
SOUTH QUAY	0861	SOQ	13	14	
STRATFORD	0863	STR	11		
TOWER GTWY	0864	TOG	30	31	
WESTFERRY	0865	WES	36	37	

SCHLUMBERGER

Brought into use on 23rd September 1999 at Tower Gateway, the machines gradually replaced the Westinghouse Cubic machines at each station. They have a monitor screen that displays a list of stations. To select the required ticket, a knob is turned which highlights each destination in turn. When the destination is selected, a button on the knob is pressed. Originally, the display then listed the ticket types which was selected in the same way. The fare is then displayed and after payment is made, the ticket is issued. Later, from July 2000, they were re-programmed to issue basic tickets in a single operation whilst returns and child tickets require a multistage operation. The tickets are printed by a thermal printer that produces a solid and smoother type font and were the first machines to use a non fixed width font, however, following the re-programming, a fixed width font is now used. The machines are identical to those used on Croydon Tramlink.

All Saints	ALS	01	02		
Beckton	BEC	01	02		
Beckton Prk	BEP	01	02		01 E/B, 02 W/B
Blackwall	BLA	01	02		
Bow Church	BOC	01	02		
Canary Whf	CAW	01	02	03 04 05	01/02 east side plat level, 03/04 west side platform level, 05/05 Concourse East side (one machine should have been numbered 06), 07/08 Concourse West side
			05	07 08	
Crossharbr	CRO	01	02	03	
Custom Hse	CUH	01	02		
Cutty Sark	CUS	01	02		
Cyprus	CYP	01	02		01 E/B, 02 W/B
Deptford Bg	DEB	01	02	03 04	01/02 North entrance, 03/04 South entrance.
Devons Rd	DER	01	02		
East India	EAI	01	02	03 04	01/02 Lower level, 03/04 Upper level

Elverson Rd	ELR 01 02 03 04	01/02 Platform 1, 03/04 Platform 2
Gallions Rch	GAR 01 02	
Greenwich	GRE 01 02 03	01/02 DLR entrance, 03 Connex Up platform
Heron Quay	HEQ 01 02	
Island Gdns	ISG 01 02	
Lewisham	LEW 01 02 03 04	01/02 Main entrance, 03/04 adjacent National Railways T/O
Limehouse	LIM 01 02	
Mudchute	MUD 01 02 03 04	01/02 Platform 2 entrance, 03 Platform 1 (Nth end) 04 Plat1 (Sth end)
Poplar	POP 01 02	01/02 Low level entrance
Prince Rgnt	PRR 01 02	
Pudding ML	PML 01 02	
Royal Albert	ROA 01 02	
Royal Vic	ROV 01 02	01 W/B, 02 E/B
Shadwell	SHA 01 02	
South Quay	SOQ 01 02 03 04	
Stratford	STR 01 02	01 entrance to station, 02 platform
Tower Gtwy	TOG 01 02 03	
W.India Q	WIQ 01 02	
Westferry	WES 01 02 03 04	

The layout was re-designed from July 2000 using a fixed width font with names in upper case and abbreviated where necessary. From early 2001, the abbreviated names were shown in full, but during May/June 2001 these were again abbreviated but some were in a different spelling to that previously used.

Name from July 2000	Name from early 2001, where different	Name from May/June 2001, where different	
ALL SAINTS			ALS 01 02
BECKTON			BEC 01 02
BECKTON PK	BECKTON PARK	BECKTON PK	BEP 01 02
BLACKWALL			BLA 01 02
BOW CHURCH		BOW CHURC	BOC 01 02
CANARY WHF	CANARY WHARF	CANARY WF	CAW 01 02 03 04 05 06 07 08
CROSS HARBR	CROSSHARBOUR	CROSSHARBR	CRO 01 02 03
CUSTOM HS	CUSTOM HOUSE	CUSTOM HS	CUH 01 02
- - -	CUSTOM HOUSE		03 04 West entrance
CUTTY SARK			CUS 01 02
CYPRUS			CYP 01 02
DEPTFORD BG	DEPTFORD BRIDGE	DEPTFORD BR	DEB 01 02 03 04
DEVONS RD	(Devons Road)		DER 01 02
EAST INDIA			EAI 01 02 03 04
ELVERSON RD	ELVERSON ROAD	ELVERSN RD	ELR 01 02 03 04
GALLIONS RH	GALLIONS REACH	GALLIONS RH	GAR 01 02
GREENWICH			GRE 01 02 03
HERON QUAY	HERON QUAYS	HERON QYS	HEQ 01 02
ISLAND GDNS	ISLAND GARDENS	ISLAND GDS	ISG 01 02
LEWISHAM			LEW 01 02 03 04
LIMEHOUSE			LIM 01 02
MUDCHUTE			MUD 01 02 03 04
POPLAR			POP 01 02
PRINCE RGNT	(Prince Regent)		PRR 01 02
PUDDING ML	(Pudding Mill Lane)		PML 01 02
(Royal Alb)	ROYAL ALBERT		ROA 01 02
ROYAL VIC	ROYAL VICTORIA	ROYAL VIC	ROV 01 02
SHADWELL			SHA 01 02
SOUTH QUAY			SOQ 01 02 03 04
STRATFORD			STR 02
TOWER GTWY	(Tower Gateway)	TOWER GWAY	TOG 01 02 03
W.INDIA Q	WEST INDIA QUAY	WST INDIA Q	WIQ 01 02
WESTFERRY			WES 01 02 03 04

ALMEX AS-89

The extension to Bank opened on 27th July 1991. A machine, brought into use from May 1993, is located in the subway between the D.L.R. platforms at Bank station for the issue of excess tickets. Tickets are only valid when a ticket covering zone 1 is also held. Buttons are provided to select adult or child and zones 2, 3 or 4. The button for zone 4 being added after the Beckton extension was opened. Single tickets only are issued. The top line of print on the tickets shows the issuing station, zone to which valid, type (adult/child) and machine number (taken from the machine serial number - 07312). The bottom line shows the date and time of issue and the fare paid. Initially, the issuing station and zone was shown as e.g. **BAN -ZONE 2**. This was later changed to **D.L.R. BA-ZONE 2**. From mid-1999, the machine number, now MC1, was moved to the bottom line.

STATION

M/c.Nos.

BANK

12D* MC1
