

CONTROL TABLE REFERENCES

- # 1 STICK TRACK
- 2 NON REPLACING
- 3
- 4 NON-REPLACING UNTIL CLEARANCE OF BERTH TRACK
- 5 " " " " STICK "
- 6
- 7 EFFECTIVE ONLY WHEN SPECIAL LINK WITHDRAWN
- 8
- 9 STORED RELEASE
- 10
- 11 LEVER ONLY

CARMARTHEN JCN
ELECTRICAL CONTROL
TABLE

ORIGINAL DATED: 8. 1971.

S2045/5/1

FUNCTION	ROUTE INDIC N		ASPECT	APPROACH CONTROL		REQUIRES										REMARKS	
	IND	TYPE		TC	OCC	SEC	SIGNAL	LEVER	LEVER LOCKED	TRACK CIRCUITS				DETECTION			*
										OCC	CLEAR	AFTER OP	OR CC	SECS	N		
3(N)L							3N			TO DL TO CC	16 OR 22 OR (18W 19R) 17 OR 23 OR (18W 19N)	DL CC	55 60			16.17.18. 22.23	
(R)L							3R	STNGF KEY A & C LOCKED IN POS.1									G.F. PLUNGER PRESSED
4(N)L							4N			DK (PJ OR 22R) TO DH	16 OR 22 OR (18W 19R)					16.22.26 (18W 19R)	
(R)L							4R	DN SDGS GF KEY LOCKED IN POS.1						(G.F.) 1/2B			G.F. PLUNGER PRESSED
5(N)L							5N			CE. CD.						18.27.	
(R)L							5R	UP SDGS No. 2 GF KEY B LOCKED IN POS.1						(G.F.) 1A			G.F. PLUNGER PRESSED
6(N)L							6N			TO CG.	26 OR 27	CG	40			26.27.	
(R)L							6R	UP SDGS No. 1 G.F. KEY B LOCKED IN POS.1									G.F. PLUNGER PRESSED
* - SIGNAL AT RED & FREE OF APPROACH LOCKING									CARMARTHEN JCN ELECTRICAL CONTROL TABLE						ORIGINAL DATED: 8. 1971 S2045/5/2		

FUNCTION	ROUTE INDIC N		ASPECT	APPROACH CONTROL		SIGNAL	LEVER	LEVER LOCKED	REQUIRES					DETECTION		*	REMARKS		
	IND	TYPE		TC	OCC				SEC	TRACK CIRCUITS			OCC	SECS	N			R	
										OCC	CLEAR	AFTER OP							
8(N)L							8N			AB/1 [BM 1/2/3 OR AA BL		BM/3 AA BL	60 90 65			10.30. 39.40. 100.			
(R)L							8R	G.F.KEY LOCKED IN POS.1									G.F. PLUNGER PRESSED		
9(N)L							9N			BM/1 BL		BL	65			30.39. 40.			
(R)L							9R	G.F.KEY LOCKED IN POS.1									G.F. PLUNGER PRESSED		
201 (N)						100. 100R ALIGHT				BP. BQ. BR 1-7						101			
(R)								G.F.KEY LOCKED IN POS.1									G.F. PLUNGER PRESSED*		
11(N)L							11N			AD. AE.						32			
(B)							11B							11					
(D)							11D								11				
(R)							11R			AD						15			
12(N)L							12N			BT TO BH		BT BH	30			40.46. (41.42.) 44.72.)	*"		
(B)							12B							12					
(D)							12D								12				
(R)							12R			BT AE. - TO FF	29	FF	45			29.30.			
* - SIGNAL AT RED & FREE OF APPROACH LOCKING * - (NOT PROVIDED IN REALITY)									CARMARTHEN JCN ELECTRICAL CONTROL TABLE									ORIGINAL DATED: 8. 1971	
																		S2045/5/3	

FUNCTION	ROUTE		ASPECT	APPROACH CONTROL		SIGNAL	LEVER	LEVER LOCKED	REQUIRES					DETECTION		*	REMARKS		
	INDIC N	TYPE		TC	OCC				SEC	TRACK		CIRCUITS		OCC	SECS			N	R
										CLEAR	AFTER OP	OR TC							
13(N)L							13N			DG. DF.						22.23.	* "		
(B)							13B			TO DD	24.25. (72W 52R)	DD	30			24. (25.72)			
(D)							13D							13					
(R)							13R			DG									
									TO EE	15		EE	60			15.16.17.			
14(N)L							14N			CH						21.28.			
(B)							14B			CG		CG	40						
(D)							14D							14					
(R)							14R			CH. DF.						29			
									CG			CG	40						
19(N)L							19N	5.6.N		CE.DH.DG. (DFOR 14R)						15 16/17	* "		
(B)							19B			TO CD	27					18. 22/23			
(D)							19D			TO DD	24.25. (72W 52R)	DD	30			24.27.			
(R)									TO EE	15		EE	60			(25.72)			
														19					
										CE.DH.						18.26.			
										TO DJ	26								
* - SIGNAL AT RED & FREE OF APPROACH LOCKING									CARMARTHEN JCN ELECTRICAL CONTROL TABLE								ORIGINAL DATED: 8. 1971		
																	S2045/5/4		

FUNCTION	ROUTE INDIC N		ASPECT	APPROACH CONTROL		REQUIRES										REMARKS		
	IND	TYPE		TC	OCC	SEC	SIGNAL	LEVER	LEVER LOCKED	TRACK CIRCUITS					DETECTION		*	
										OCC	CLEAR	AFTER OP	OCC	SECS	N			R
20(N)L							20N			CD. DJ. CE. TO DH	16 OR 22	—	—			16.18. 22.27.		
(B)							20B							20				
(D)							20D								20			
(R)							20R			CD. DJ. TO DH	17 OR 23	—	—					
15G	PSI	J.1.	H	AC	6	16/17 R	15R	7N		AD* ¹ EE. DG.DH. (DFOR 14R) (AEOR 12R)				19	11.13.			
			D			16/17 H												
			R→H	AC	18	16/17 R				AD* ¹ EE. DG (DFOR 14R) (AEOR 12R)					11.13.			
16G	DP	1-CZM-TS	H	EE* ⁷		*	16R	3.4N		DG* ¹ DH. DJ. DK. DL. (DFOR 14R)				19.20.	13.			
			DA	EE	30			4N	DL* ²	DG* ¹ DH. DJ. DK. (DFOR 14R)								
17G	UP	1-CZM-TS	H	EE* ⁷		*	17R	3N		DG* ¹ DH. DJ. CD. CC. CE. (DFOR 14R)				19	13.20.			
			DA	EE	30				CC* ²	DG* ¹ DH. DJ. CD. (DFOR 14R)								
* - SIGNAL AT RED & FREE OF APPROACH LOCKING * - UP PLAT, DN PLAT & BRANCH STOP LAMPS ALIGHT									CARMARTHEN JCN ELECTRICAL CONTROL TABLE							ORIGINAL DATED: 8. 1971 S2045/5/5		

FUNCTION	ROUTE INDIC N		ASPECT	APPROACH CONTROL		REQUIRES										REMARKS	
	IND	TYPE		TC	OCC	SEC	SIGNAL	LEVER	LEVER LOCKED	TRACK CIRCUITS			DETECTION		*		
										OCC	CLEAR	AFTER OP	OCC	SECS			N
18G			P.L.				18R	4N		CE*5	— —			20	19	26	* UP SDGS No.2 G.F.
										TO CE	26						
								5N		CE*5	— —			19.20. ①A*		27	
							②R*			CE*5			19	①A*			
21G			DA	CG			21R	51N		CH*1			14				
22G	DP	ST F-CZM	H	DD*7		*	22R	3.4N		DF*1 DG. DH.DJ. DK. DL.			13.14. 19.20.				
			DA	DD	18			4N	DL*2	DF*1 DG. DH. DJ. DK. CE							
23G	UP	ST F-CZM	H	DD*7		*	23R	3N		DF*1 DG. DH. DJ. CD CC. CE.			13.14. 19.	20.			
			DA	DD	18				CC*2	DF*1 DG. DH. DJ. CD.							
24G	Pos. 4	J1	H	BB/4	6	22/23R	24R	51.67N 65R		BC*1 BD. BE. AG. DD. DF. DG. DH.			13.14. 19.70.	64.65.			
			D		22/23H												
			R→H	BB/4	18	22/23R			BC*1 BD BE. AG. DD. (DF OR 14R)			70.	64.65.				
25(N)L						22/23R OR H		44.51N 65R		BD. BE. AG. DD. DF. DG. DH				64.65.			

* - SIGNAL AT RED & FREE
OF APPROACH LOCKING

* - UP PLAT, DN PLAT & BRANCH
STOP LAMPS ALIGHT

CARMARTHEN JCN

ELECTRICAL CONTROL
TABLE

ORIGINAL DATED: 8. 1971

S2045/5/6

FUNCTION	ROUTE		ASPECT	APPROACH CONTROL		REQUIRES										REMARKS	
	INDIC	N		TC	OCC	SEC	SIGNAL	LEVER	LEVER LOCKED	TRACK CIRCUITS				DETECTION			*
										OCC	CLEAR	AFTER OP	OCC	SECS	N		
26G			H	DL		28/29R	26R	4.6N		DK*1 DJ. DH.CE. CG. CH. (DFOR 14N)					20 ①/②*	19	* DN SDGS G.F. Nos.
			D			28/29 HORD											
	DS	ST	DA	DL			③R*		DK*4					①*	②*		
27G			H	CC		28/29R	27R	5.6N		CD*1 . CE. CG. CH. (DFOR 14N)				19.20.			
			D			28/29 HORD											
28G			H	CG*7		34 R	28R	51.74N 52R.		CH*1 CJ. AJ. AK.				14			
			D			34 HORD											
			R→H	CG	18	34 R		51N		CH*1 CJ. (AJOR 52N)							
29G	POS 4	J1	H	CG	6	30 R	29R	7N		CH*1 DF. FF.AE.BJ.BK					12.13.14.		
			D			30 H ORD											
30G			H	F*7		39 R	30R	7.8.9.N		AE*1 BJ. BK. BL. BM/1/2/3					11.12.		
			D			39 HORD											
			R→H	FF	18	39 R		7.9N		AE*1 BJ. BK. BL.							
32G			H	AC*7		33R	32R	52.61 74N		AD*1 AE. AF. AG. AJ. AK.				11.12.			
			D			33 HORD											
			R→H	AC	18	33 R		61N		AD*1 AE.AF. (AGOR 64R)							
33G			H	AF*7		35 R	33R	52.61. 74N		AG*1 AJ. AK. AL.							
			D			35 D											
* - SIGNAL AT RED & FREE OF APPROACH LOCKING									CARMARTHEN JCN ELECTRICAL CONTROL TABLE							ORIGINAL DATED: 8. 1971	
																S2045/5/7	

FUNCTION	ROUTE INDIC N		ASPECT	APPROACH CONTROL		REQUIRES										REMARKS	
	IND	TYPE		TC	OCC	SEC	SIGNAL	LEVER	LEVER LOCKED	TRACK CIRCUITS			DETECTION		*		
										OCC	CLEAR	AFTER OP	OCC	SECS			N
34G			H	CJ*7		35 R	34R	51.74N 52R		AJ*1 AK.AL (AG OR 64R)							
			D			35 D											
35G			D	AL/2*7			35R			AL/1 *1						UP MAIN * LINE CLEAR	
40G			H	BH*7		39 R	40R	8.9N		BJ*1 BK.BL BM/1/2/3			12.				
			D			39 H OR D											
			R → H	BH	18	39 R		9N		BJ*1 BK.BL							
41(N)L						40 ALIGHT		42N		BF.BH.BJ.BK							
42(N)L						40 ALIGHT		41N		BF.BH.BJ.BK.							
44(N)L						40 ALIGHT		25.55. 61N. 65R.		BD.BE.BF. BH.BJ.BK.			64	65			
45G	POS. 1	J1	H	BB/4	6		45R			BC*1 GG.					70		
			DA	BB/4	18			GG*2	BC*1								
46G			H	BB/4*7		40 R	46R	55.61. 67N 65R		BC*1 BD. BE.BF.BH. BJ.BK			12.64. 70.	65			
			D			40 H OR D											
46 PG			D			46 H OR D				BB/4							
51 (N)L							51N			AG.AJ — — — TO CJ	— — — 21 OR 28	— CJ	— 45			21.28.34. E.L.N.	
							51R			AJ. AG.						(72*11)	
52 (N)L							52N			AJ. AG. — — — TO AF	— — — 32 —	— AF	— 55			32.33 (72*11) E.L.N.	
							52R			AJ. — — — TO CJ	— — — 28 —	— CJ	— 45			28.34. (72*11)	
* - SIGNAL AT RED & FREE OF APPROACH LOCKING * - ONE CLEARANCE AFTER ALT OCCUPIED.									CARMARTHEN JCN ELECTRICAL CONTROL TABLE							ORIGINAL DATED: 8. 1971 S2045/5/8	

FUNCTION	ROUTE		ASPECT	APPROACH		SIGNAL	LEVER	LEVER LOCKED	REQUIRES					DETECTION		*	REMARKS
	INDIC N	IND TYPE		CONTROL					OCC	CLEAR	AFTER OP	OCC	SECS	N	R		
				TC	OCC SEC												
55 (N)L										[BF (TO BE	44 OR 46	BA)	60]			(44* ¹¹) 46.	E.L.N.
61 (N)L							61N			AG. BF.						32.33 (44* ¹¹) 46	E.L.N.
										TO BE	44 OR 46						
										TO AF	32	AF	55				
(R)L							61R			AG. BF.						(72* ¹¹)	
										AJ	72						
65 (R)L										BE. AG.						24.46. (2544 * ¹¹)	E.L.N.
										TO BD	24 OR 25 OR 44 OR 46						
67 (N)L										[BD (BC	24 OR 46)	BE	60]			24.46.	E.L.N.
										[53W 57N			120]				
70 (N)L							70N			BC						24.46.	
(B)							70B							70			
(D)							70D								70		
(R)							70R			BC						45	
72 (N)L															(51AW 52R)		
74 (N)L										AK						28.32. 33.34.	E.L.N.
										TO AJ	33 OR 34 OR (54W 61R)						
										TO AF	32	AF	55				
										TO CJ	28	CJ	45				
* - SIGNAL AT RED & FREE OF APPROACH LOCKING								CARMARTHEN JCN ELECTRICAL CONTROL TABLE								ORIGINAL DATED: 8. 1971	
																S 2045/5/9	

SIGNAL No.	APPROACH LOCKING RELEASED BY		
	TRACK CIRCUITS CLEAR	OR T.C. OCCUPIED	OR TIME (SECONDS)
15/32	AB/1-3. AC. (AA. CT/6-7 AFTER 10 OP.)	AD	120
16/17	EE. (ADW 11R) (AC AFTER 15 OP.)	DG	120
18	CG	CE #9	30
22/23	DD (BD. BE W 64R) (BCW 64R 70N) (AJW 51R) (BB/4 AFTER 24 OP.) (AG W 51R OR 64R)	DF	120
24/25/46	BB/1-3. BB/4	BC	120
26	WHEN OPERATED	DK	120
27	WHEN OPERATED	CD	120
21/28/29	CG. (DH. DJ. DK W 19R) (DL AFTER 26 OP.) CE. (CDW 19N) (CC AFTER 27 OP.)	CH	120
30	FF. (DF. CH W 14R) (CG AFTER 29 OP.)	AE	120
33	AF (AD. AE W 11N) (AC AFTER 32 OP.)	AG	120
34	CJ. (CHW 14N) (CG AFTER 28 OP.)	AJ	120
40	BH. BF. (BE. BD. W 64N) (AG. AJ W 61R) (BCW 64. 70N) (BB/4 AFTER 46 OP.)	BJ	120
25/44	WHEN OPERATED	BD #9	30
41/42	WHEN OPERATED	BF #9	30
72	AK	AJ #9	30
10	WHEN OPERATED	AB/1	120
39	WHEN OPERATED	BN/1	120

C

CARMARTHEN JCN
ELECTRICAL CONTROL
TABLE

ORIGINAL DATED: 8. 1971

S2045/5/10

FUNCTION	ROUTE INDIC N		ASPECT	APPROACH CONTROL		SIGNAL	LEVER	LEVER LOCKED	REQUIRES					DETECTION		*	REMARKS	
	IND	TYPE		TC	OCC				SEC	TRACK CIRCUITS			OR TC	SECS	N			R
										OCC	CLEAR	AFTER OP						
10G			H	AA#7		15/32 R	10R	8N		AB/1 #1 AC						IF AA OCC'D WITH 10 ON, CLEARANCE DELAYED UNTIL RED LIGHTS AT LLANSTYDAN XING HAVE BEEN DISPLAYED FOR 20 SECS		
			D			15/32 H ORD				AD. AB/2-3 (AEW/IN)								
38G			D	BN/1#7		101.101R ALIGHT	38R			BN/2#1						SIMILAR CONTROLS ON 39G IF BJ.BK. BL. OCC'D		
										BO/1-7								
39G			H	BL#7		38 R	39R	8.9N		BN/1 #1						ONE AC-CEPTANCE		
			D			38 D				BM/2-3								
DOWN MAIN LINE CLEAR						46P H 24.45 46 R				BB. BC								
UP PLAT TRS									CC							PLUNGERS INITIALLY PRESSED		
DN PLAT TRS									DL									
(ALL) WMS																		
N→R							D											
R→N							B											
ALL G.F. LOCKS (POS 2-3)								R										
* - SIGNAL AT RED & FREE OF APPROACH LOCKING NOTE SHEET 17 (SARNAD XING) NOT COPIED. ORIGINAL 17 SHEETS COPIED ONTO 11.									CARMARTHEN JCN ELECTRICAL CONTROL TABLE							ORIGINAL DATED: 8. 1971 S2045/5/11		