

House Exchange System - Q Diagrams

I am indebted to David Roberts and David Higgs for supplying scans and to Andy Banthorpe for lending diagrams to fill the gaps in my collection.

No	Title
100	Numerical index of diagrams (incomplete, only goes up to Q157)
101	Subject Index of Diagrams
102	Plug & Jack wiring for Telephone Intercom No 1
103	Plug & Jack wiring for Unit transfer Intercom No 1 or 1A
104	Plug & Jack wiring for Unit, transfer Intercom No 1
110	Illustration of Labels No 222 A-H for use with Tele Intercom No 1/1 & ½
111	Typical Schematic layout for system unit
112	Typical Schematic for system with 1 exchange line, 5 internal extensions
113	Typical wiring of junction box used for feeding local stations...
114	Typical wiring of junction box
115	Cable Terminations
131	Telephone Intercom Nos 1/1 etc
132	Unit Transfer, Intercom No 1 (Mk 2)
133	Unit Transfer, Intercom No 1A (Mark 2)
134	Telephone Intercom No 1/1B (Mark 2) for use with Repeater Telephonic No 17C
135	Telephones Intercom No 1/1A and 1/2A with Handset No 4
141	Telephone Intercom No 1/1
142	Unit transfer Intercom No 1 Unit to plug wiring
143	Unit Transfer Intercom No 1A (Mk 1 & 2)
144	Telephone Intercom No 1/1B (Mark 2) Telephone to plug wiring
151	Alternative arrangement of junction boxes
152	Plug point connections on instruments and units
153	Unit Transfer Intercom No 1
154	Unit Transfer Intercom No 1A
155	Unit Transfer Intercom No 2
156	Unit Transfer Intercom No 3
157	Connections of dial auto No 10 when fitted to telephones intercom No 1 or 2
158	Using Telephone Intercom No 1/1B and Repeater Telephonic 17C
160	Facilities between PBX extension - Explanatory for one station
161	Facilities between PBX Extensions, plan extension instrument
170	Unit Transfer Intercom No 1A (Mks 1&2) & No 3. Relay Adjustments
199	Non-multiple termination for loud sounding bell, hooter or lamp signal
202	Plug & jack wiring for Intercom No 2
203	Plug & Jack wiring for Unit Transfer Intercom No 2
204	Plug & Jack wiring for Unit Transfer Intercom No 3
205	Plug & Jack wiring for Unit transfer Intercom No 2
206	Facilities between PBX Extensions - 2+10 System - Plug & jack wiring for tele intercom No 1 etc
208	Facilities between PBX Extensions - 2+10 System - explanatory of connexions
209	Facilities between PBX Extensions 2+10 system, plan extension instrument
210	Facilities between PBX Extension 2+20 System - typical schematic layout
211	Typical layout for system with 1 or 2 Exch lines etc
212	Typical schematic layout for system with 1 or 2 Exch lines, 10 internal extns etc
213	Typical wiring of junction box
214	Typical wiring of junction box for feeding terminal stations etc
215	Typical wiring of main junction box
216	Typical wiring of auxiliary junction box used at 1st choice main station ...
218	Facilities between PBX Extensions 2+10 system, typical wiring
219	Facilities between PBX Extensions 2+10 System Typical wiring
220	Facilities between PBX Extension 2+10 System Typical wiring of intermediate junction boxes

House Exchange System - Q Diagrams

No	Title
221	Facilities between PBX Extensions 2+10 System. Typical wiring of terminal junction box
231	Telephone Intercom No 1/2, 1/2A & 1/2AL
232	Unit Transfer Intercom No 2 (Mk 2)
233	Unit Transfer Intercom No 3 - relay adjustments
235	Telephone Intercom No 1/2B (Mk 2)
241	Telephones Intercom Nos 1/2 & 1/2A Mks 1 & 1A & 2 & 2A & 1/2AL Mks 2, 2A & 3A
242	Unit Transfer Intercom No 2 (Mk 1 & 2)
243	Unit Transfer Intercom No 3 Unit to plug wiring
244	Telephone Intercom No 1/2B Mk 2
302	Explanatory Elements - calling & speaking to multiple station
303	Explanatory Elements of engaged exchange line
304	Explanatory Elements - Multiple station calling & speaking to exchange
305	Explanatory Elements - Barred & Restricted exchange access
306	Explanatory elements - non-multiple station
351	Telephone House No 104 & 105 Internal wiring
352	15 Line Instruments
353	Explanatory Elements - Normal Condition Station 1 HMT on
361	HES No 2
362	HES No 2 Explanatory & Cabling
400	HES No 3 Numerical Index of Diagrams
401	HES No 3 Alphabetical Index of Diagrams
402	HES No3 Layout of typical system
403	HES No3 Typical Multiple Connexions Schematic
404	HES No3 Typical Multiple Connexions Wiring
405	HES No 3 Relay Unit Q405 Common Equipment
406	HES No 3 Alternative layout with spur multiple stations (typical)
407	HES No 3 Exchange Prohibition
408	HES No 3 Exchange Service Barred Relay Unit Q408
409	HES No 3 Exchange Line Monitoring Relay Unit Q409
410	HES No 3 Relay Unit Q410 Common Equipment with provision for a non-multiple extension
411	HES No 3 Provision of individual exchange or PABX line at a multiple station
412	HES No 3 Provision of subscriber's private meter (Meter No 19)
413	HES No 3 Provision of operator recall
415	HES No 3 Relay Unit Q415 for terminating Private & Switchboard Circuits
417	HES No 3 Alternative ringing arrangements
419	HES No 3 Extension bells and buzzers
420	HES No 3 Non-multiple extension using Telephone No 710...
422	HES No 3 Telephone Intercom No 3/1L
423	HES No 3 Switch Composite No 1A for use with Telephone Intercom No 3/1
424	HES No 3 Telephone Intercom No 3/1 Installation
425	HES No 3 Extension Plans 107, 107A, 105, 105A at non-multiple extensions
426	HES No 3 Non-multiple extension Plan 1 (internal only) using Telephone No 710...
427	HES No 3 Non-multiple extension Plan 1A (internal only) using Telephone No 710...
428	HES No 3 Non-multiple extension Plan 4 (internal only) using Telephone No 710...
430	Telephone Intercom No 3/1 Locking Press-button
431	HES No 3 Circuit Element – Exchange line speech & ringing circuit. Installations with multiple stations only
432	HES No 3 Circuit Elements for exchange line engaged lamp and night service

House Exchange System - Q Diagrams

No	Title
	control
433	HES No 3 Circuit Element Multiple intercom speech circuit
434	HES No 3 Circuit Element: Intercom signalling & station engaged circuit
435	HES No 3 Circuit Elements – Power feeding circuit
441	HES No3 Provision of Relay Unit Q415 for terminating private and switchboard circuits on HES No 3
442	HES No3 termination of private & interswitchboard circuits A/WE bothways
443	Relay Unit Q415 Connected for G/AC in A/WE out
444	HES No3 termination of private & interswitchboard circuits Using Relay Unit Q415 signalling Loop in G/AC out or A/WE in G/AC out
445	HES No3 termination of private & interswitchboard circuits Using Relay Unit Q415 Signalling Group G/AC bothway
446	HES No3 termination of private & interswitchboard circuits Using Relay Unit Q415 signalling G/AC in Loop out
447	HES No3 termination of private & interswitchboard circuits Using Relay Unit Q415 signalling Balanced battery
500	HES No4 Numerical Index of Diagrams & EIs
501	HES No4 HES No4 Alphabetical index of diagrams
502	HES No4 Layout of typical systems
503	HES No4 Cabling of typical systems (includes modification for loop ringing)
505	HES No4 Installations with a 2nd choice main station, block schematic & cabling
508	HES No4 Alternative system layout with spur multiple stations (typical)
509	HES No4 Provision of an eleventh station
510	HES No4 Box Connexion no 6A, Connector No 203
516	HES No4 Relay Unit Q516
519	HES No4 Relay Unit Q519 for terminating one non-multiple extension
524	Relay Unit Q524 for terminating a private or switchboard circuit on HES No 4
526	HES No4 Exchange service prohibited
527	HES No4 Exchange service restricted, relay units Q527 & Q528
529	HES No4 Regulator No 4A
530	HES No4 Exchange line monitoring
531	HES No4 Buzzer No 2B-3
535	HES No4 Control Unit Q535
537	HES No4 Control Unit Q537
540	HES No4 Telephone Intercom No 4/1...
545	HES No4 Extension bells and buzzers
546	HES No4 Alternative ringing arrangements
547	HES No4 Provision of Operator Recall
550	HES No4 Non-multiple extension using telephone No 710...
552	HES No4 Non-multiple extension Plan 1 (internal only) using Telephone No 710...
553	HES No4 Non-multiple extension Plan 1A (internal only) using Telephone No 710...
554	HES No4 Non-multiple extension Plan 4 (internal only) using telephone No 710...
561	HES No4 Provision of Relay Unit Q524 for terminating a private or switchboard circuit
562	HES No4 Termination of private and switchboard circuits using relay unit Q524 Signalling A/WE bothways
563	HES No 4 Termination of private and switchboard circuits using Relay Unit Q524 Signalling G/AC in A/WE out
564	HES No 4 Termination of private and switchboard circuits using Relay Unit Q524 Signalling G/AC in Loop out
565	HES No 4 Termination of private and switchboard circuits using Relay Unit Q524 Signalling G/AC bothways

House Exchange System - Q Diagrams

No	Title
566	HES No 4 Termination of private and switchboard circuits using Relay Unit Q524 Signalling A/WE in G/AC out
567	HES No 4 Termination of private and switchboard circuits using Relay Unit Q524 Signalling Loop in G/AC out
568	HES No 4 Termination of private and switchboard circuits using Relay Unit Q524 Signalling Auto Bal. Bat. Bothways
570	HES No3 and No 4 Provision of hearing aid using Handset No 4
580	HES No 4 Circuit Elements Multiple stations exchange line speech ringing and signalling circuit
581	HES No 4 Circuit Elements Multiple stations intercom speech and signalling circuits
582	HES No 4 Circuit Elements Non-multiple stations intercom speech and signalling circuits
583	HES No 4 Circuit Elements Non-multiple stations exchange line ringing speech & holding circuits & recall circuit