



## RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY ELLMAX ELECTRONICS LTD., LONDON



Ritel's range of quality products feature control knobs in various sizes, designs, and colours, with full accessories such as caps, dials, and pointers. Both standard and matt finishes are available. Standard collet knobs, short knobs, double knobs with coaxial collets, push-on knobs, soft-touch knobs, conductive knobs, and 4mm terminals are included in the range. Please refer to Ritel's catalogue and website for a detailed description of the product range, including photos and technical drawings.

All the various Ritel control knob part numbers are of the form 'abcdefg', where 'ab' is the knob design, 'cd' is the knob size, 'ef' is the collet type, and 'g' is the colour. 'ST' is added at the end of the basic shape knob part number to form the soft-touch knob part number (see page 27). Ritel's knobs, accessories, and terminals are all RoHS compliant. The temperature specification for all standard Ritel parts for normal mechanical stress is -20°C to +70°C.

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Collet knobs are made up of three main parts: the body, the cap, and an optional skirt such as a dial or an arrow. Collet knobs, which are available in a large variety of sizes, colours, and designs, ensure a secure mounting and are suitable for most instrument knob applications. They can be used for all standard potentiometer and switch shaft diameters, such as 3mm, 0.125 inch, 4mm, 6mm, and 0.25 inch, which are either cylindrical or with flat (i.e. D-shaped). Sizes of Ritel knobs range from body diameters of 8mm to 45mm. All standard Ritel collet knobs are mounted with screws which are a combination of ordinary one-slot screws and Phillips cross-slot screws. These screws may be tightened with either an ordinary screwdriver or a Phillips screwdriver. The cap snap fits into the top of the knob. Pictures of various control knobs with caps are shown on the front page of this range summary. Pictures and details of all the dials, stators, and arrows are shown in the section on Accessories, starting on page 19.

### 8mm Knob

		8mm Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
standard	3	2008301	2008302	2008303	2008304	2108301	2108302	2108303	2108304
	1/8"	2008311	2008312	2008313	2008314	2108311	2108312	2108313	2108314
	4	2008401	2008402	2008403	2008404	2108401	2108402	2108403	2108404
matt	3	2608301	2608302	2608303	2608304	2708301	2708302	2708303	2708304
	1/8"	2608311	2608312	2608313	2608314	2708311	2708312	2708313	2708314
	4	2608401	2608402	2608403	2608404	2708401	2708402	2708403	2708404

		8mm Wing Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
standard	3	2208301	2208302	2208303	2208304	2308301	2308302	2308303	2308304
	1/8"	2208311	2208312	2208313	2208314	2308311	2308312	2308313	2308314
	4	2208401	2208402	2208403	2208404	2308401	2308402	2308403	2308404
matt	3	2808301	2808302	2808303	2808304	2908301	2908302	2908303	2908304
	1/8"	2808311	2808312	2808313	2808314	2908311	2908312	2908313	2908314
	4	2808401	2808402	2808403	2808404	2908401	2908402	2908403	2908404

		Flat Cap for all 8mm Knobs						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3008001	3008002	3008003	3008004	3008005	3008006	3008007
	matt	3008101	3008102	3008103	3008104	3008105	3008106	3008107
with line	standard	3008011	3008012	3008013	3008014	3008015	3008016	3008017
	matt	3008111	3008112	3008113	3008114	3008115	3008116	3008117
with curved arrow	standard	3008021	3008022	3008023	3008024	3008025	3008026	3008027
	matt	3008121	3008122	3008123	3008124	3008125	3008126	3008127
with arrow	standard	3008031	3008032	3008033	3008034	3008035	3008036	3008037
	matt	3008131	3008132	3008133	3008134	3008135	3008136	3008137

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### 10mm Knob

		10mm Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
standard	3	2010301	2010302	2010303	2010304	2110301	2110302	2110303	2110304
	1/8"	2010311	2010312	2010313	2010314	2110311	2110312	2110313	2110314
	4	2010401	2010402	2010403	2010404	2110401	2110402	2110403	2110404
matt	3	2610301	2610302	2610303	2610304	2710301	2710302	2710303	2710304
	1/8"	2610311	2610312	2610313	2610314	2710311	2710312	2710313	2710314
	4	2610401	2610402	2610403	2610404	2710401	2710402	2710403	2710404

		10mm Wing Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
standard	3	2210301	2210302	2210303	2210304	2310301	2310302	2310303	2310304
	1/8"	2210311	2210312	2210313	2210314	2310311	2310312	2310313	2310314
	4	2210401	2210402	2210403	2210404	2310401	2310402	2310403	2310404
matt	3	2810301	2810302	2810303	2810304	2910301	2910302	2910303	2910304
	1/8"	2810311	2810312	2810313	2810314	2910311	2910312	2910313	2910314
	4	2810401	2810402	2810403	2810404	2910401	2910402	2910403	2910404

		10mm Arrow Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
standard	3	1810301	1810302	1810303	1810304	1910301	1910302	1910303	1910304
	1/8"	1810311	1810312	1810313	1810314	1910311	1910312	1910313	1910314
	4	1810401	1810402	1810403	1810404	1910401	1910402	1910403	1910404
matt	3	1610301	1610302	1610303	1610304	1710301	1710302	1710303	1710304
	1/8"	1610311	1610312	1610313	1610314	1710311	1710312	1710313	1710314
	4	1610401	1610402	1610403	1610404	1710401	1710402	1710403	1710404

		Flat Cap for 10mm Knobs						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3010001	3010002	3010003	3010004	3010005	3010006	3010007
	matt	3010101	3010102	3010103	3010104	3010105	3010106	3010107
with line	standard	3010011	3010012	3010013	3010014	3010015	3010016	3010017
	matt	3010111	3010112	3010113	3010114	3010115	3010116	3010117
with curved arrow	standard	3010021	3010022	3010023	3010024	3010025	3010026	3010027
	matt	3010121	3010122	3010123	3010124	3010125	3010126	3010127
with arrow	standard	3010031	3010032	3010033	3010034	3010035	3010036	3010037
	matt	3010131	3010132	3010133	3010134	3010135	3010136	3010137

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**10mm Knob cont.**

		<b>Prismatic Cap for 10mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
<b>plain</b>	<b>standard</b>	3110001	3110002	3110003	3110004	3110005	3110006	3110007
	<b>matt</b>	3110101	3110102	3110103	3110104	3110105	3110106	3110107
<b>with point</b>	<b>standard</b>	3110041	3110042	3110043	3110044	3110045	3110046	3110047
	<b>matt</b>	3110141	3110142	3110143	3110144	3110145	3110146	3110147

		<b>Curved Cap for 10mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
<b>plain</b>	<b>standard</b>	3210001	3210002	3210003	3210004	3210005	3210006	3210007
	<b>matt</b>	3210101	3210102	3210103	3210104	3210105	3210106	3210107
<b>with line</b>	<b>standard</b>	3210011	3210012	3210013	3210014	3210015	3210016	3210017
	<b>matt</b>	3210111	3210112	3210113	3210114	3210115	3210116	3210117

		<b>Flat Cap with Aluminium Disk for 10mm Knobs</b>			
		light grey ring	dark grey ring	black ring	red ring
<b>plain</b>	<b>standard</b>	3510001	3510002	3510003	3510004
	<b>matt</b>	3510101	3510102	3510103	3510104
<b>with line</b>	<b>standard</b>	3510011	3510012	3510013	3510014
	<b>matt</b>	3510111	3510112	3510113	3510114

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### 13mm Knob

		13mm Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	3	2013301	2013302	2013303	2013304	2113301	2113302	2113303	2113304
	1/8"	2013311	2013312	2013313	2013314	2113311	2113312	2113313	2113314
	4	2013401	2013402	2013403	2013404	2113401	2113402	2113403	2113404
	6	2013601	2013602	2013603	2013604	2113601	2113602	2113603	2113604
	1/4"	2013611	2013612	2013613	2013614	2113611	2113612	2113613	2113614
<b>matt</b>	3	2613301	2613302	2613303	2613304	2713301	2713302	2713303	2713304
	1/8"	2613311	2613312	2613313	2613314	2713311	2713312	2713313	2713314
	4	2613401	2613402	2613403	2613404	2713401	2713402	2713403	2713404
	6	2613601	2613602	2613603	2613604	2713601	2713602	2713603	2713604
	1/4"	2613611	2613612	2613613	2613614	2713611	2713612	2713613	2713614

		13mm Wing Knob							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	3	2213301	2213302	2213303	2213304	2313301	2313302	2313303	2313304
	1/8"	2213311	2213312	2213313	2213314	2313311	2313312	2313313	2313314
	4	2213401	2213402	2213403	2213404	2313401	2313402	2313403	2313404
	6	2213601	2213602	2213603	2213604	2313601	2313602	2313603	2313604
	1/4"	2213611	2213612	2213613	2213614	2313611	2313612	2313613	2313614
<b>matt</b>	3	2813301	2813302	2813303	2813304	2913301	2913302	2913303	2913304
	1/8"	2813311	2813312	2813313	2813314	2913311	2913312	2913313	2913314
	4	2813401	2813402	2813403	2813404	2913401	2913402	2913403	2913404
	6	2813601	2813602	2813603	2813604	2913601	2913602	2913603	2913604
	1/4"	2813611	2813612	2813613	2813614	2913611	2913612	2913613	2913614

		Flat Cap for 13mm Knobs						
		light grey	dark grey	black	red	blue	yellow	green
<b>plain</b>	standard	3013001	3013002	3013003	3013004	3013005	3013006	3013007
	matt	3013101	3013102	3013103	3013104	3013105	3013106	3013107
<b>with line</b>	standard	3013011	3013012	3013013	3013014	3013015	3013016	3013017
	matt	3013111	3013112	3013113	3013114	3013115	3013116	3013117
<b>with curved arrow</b>	standard	3013021	3013022	3013023	3013024	3013025	3013026	3013027
	matt	3013121	3013122	3013123	3013124	3013125	3013126	3013127
<b>with arrow</b>	standard	3013031	3013032	3013033	3013034	3013035	3013036	3013037
	matt	3013131	3013132	3013133	3013134	3013135	3013136	3013137

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**13mm Knob cont.**

		<b>Prismatic Cap for 13mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3113001	3113002	3113003	3113004	3113005	3113006	3113007
	matt	3113101	3113102	3113103	3113104	3113105	3113106	3113107
with point	standard	3113041	3113042	3113043	3113044	3113045	3113046	3113047
	matt	3113141	3113142	3113143	3113144	3113145	3113146	3113147

		<b>Curved Cap for 13mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3213001	3213002	3213003	3213004	3213005	3213006	3213007
	matt	3213101	3213102	3213103	3213104	3213105	3213106	3213107
with line	standard	3213011	3213012	3213013	3213014	3213015	3213016	3213017
	matt	3213111	3213112	3213113	3213114	3213115	3213116	3213117

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**15mm Knob**

		<b>15mm Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>3</b>	2015301	2015302	2015303	2015304	2115301	2115302	2115303	2115304
	<b>1/8"</b>	2015311	2015312	2015313	2015314	2115311	2115312	2115313	2115314
	<b>4</b>	2015401	2015402	2015403	2015404	2115401	2115402	2115403	2115404
	<b>6</b>	2015601	2015602	2015603	2015604	2115601	2115602	2115603	2115604
	<b>1/4"</b>	2015611	2015612	2015613	2015614	2115611	2115612	2115613	2115614
<b>matt</b>	<b>3</b>	2615301	2615302	2615303	2615304	2715301	2715302	2715303	2715304
	<b>1/8"</b>	2615311	2615312	2615313	2615314	2715311	2715312	2715313	2715314
	<b>4</b>	2615401	2615402	2615403	2615404	2715401	2715402	2715403	2715404
	<b>6</b>	2615601	2615602	2615603	2615604	2715601	2715602	2715603	2715604
	<b>1/4"</b>	2615611	2615612	2615613	2615614	2715611	2715612	2715613	2715614

		<b>15mm Wing Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>3</b>	2215301	2215302	2215303	2215304	2315301	2315302	2315303	2315304
	<b>1/8"</b>	2215311	2215312	2215313	2215314	2315311	2315312	2315313	2315314
	<b>4</b>	2215401	2215402	2215403	2215404	2315401	2315402	2315403	2315404
	<b>6</b>	2215601	2215602	2215603	2215604	2315601	2315602	2315603	2315604
	<b>1/4"</b>	2215611	2215612	2215613	2215614	2315611	2315612	2315613	2315614
<b>matt</b>	<b>3</b>	2815301	2815302	2815303	2815304	2915301	2915302	2915303	2915304
	<b>1/8"</b>	2815311	2815312	2815313	2815314	2915311	2915312	2915313	2915314
	<b>4</b>	2815401	2815402	2815403	2815404	2915401	2915402	2915403	2915404
	<b>6</b>	2815601	2815602	2815603	2815604	2915601	2915602	2915603	2915604
	<b>1/4"</b>	2815611	2815612	2815613	2815614	2915611	2915612	2915613	2915614

		<b>15mm Arrow Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>3</b>	1815301	1815302	1815303	1815304	1915301	1915302	1915303	1915304
	<b>1/8"</b>	1815311	1815312	1815313	1815314	1915311	1915312	1915313	1915314
	<b>4</b>	1815401	1815402	1815403	1815404	1915401	1915402	1915403	1915404
	<b>6</b>	1815601	1815602	1815603	1815604	1915601	1915602	1915603	1915604
	<b>1/4"</b>	1815611	1815612	1815613	1815614	1915611	1915612	1915613	1915614
<b>matt</b>	<b>3</b>	1615301	1615302	1615303	1615304	1715301	1715302	1715303	1715304
	<b>1/8"</b>	1615311	1615312	1615313	1615314	1715311	1715312	1715313	1715314
	<b>4</b>	1615401	1615402	1615403	1615404	1715401	1715402	1715403	1715404
	<b>6</b>	1615601	1615602	1615603	1615604	1715601	1715602	1715603	1715604
	<b>1/4"</b>	1615611	1615612	1615613	1615614	1715611	1715612	1715613	1715614

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**15mm Knob cont.**

		<b>Flat Cap for 15mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3015001	3015002	3015003	3015004	3015005	3015006	3015007
	matt	3015101	3015102	3015103	3015104	3015105	3015106	3015107
with line	standard	3015011	3015012	3015013	3015014	3015015	3015016	3015017
	matt	3015111	3015112	3015113	3015114	3015115	3015116	3015117
with curved arrow	standard	3015021	3015022	3015023	3015024	3015025	3015026	3015027
	matt	3015121	3015122	3015123	3015124	3015125	3015126	3015127
with arrow	standard	3015031	3015032	3015033	3015034	3015035	3015036	3015037
	matt	3015131	3015132	3015133	3015134	3015135	3015136	3015137

		<b>Prismatic Cap for 15mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3115001	3115002	3115003	3115004	3115005	3115006	3115007
	matt	3115101	3115102	3115103	3115104	3115105	3115106	3115107
with point	standard	3115041	3115042	3115043	3115044	3115045	3115046	3115047
	matt	3115141	3115142	3115143	3115144	3115145	3115146	3115147

		<b>Curved Cap for 15mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3215001	3215002	3215003	3215004	3215005	3215006	3215007
	matt	3215101	3215102	3215103	3215104	3215105	3215106	3215107
with line	standard	3215011	3215012	3215013	3215014	3215015	3215016	3215017
	matt	3215111	3215112	3215113	3215114	3215115	3215116	3215117

		<b>Flat Cap with Aluminium Disk for 15mm Knobs</b>			
		light grey ring	dark grey ring	black ring	red ring
plain	standard	3515001	3515002	3515003	3515004
	matt	3515101	3515102	3515103	3515104
with line	standard	3515011	3515012	3515013	3515014
	matt	3515111	3515112	3515113	3515114



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**21mm Knob**

		<b>21mm Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>3</b>	2021301	2021302	2021303	2021304	2121301	2121302	2121303	2121304
	<b>1/8"</b>	2021311	2021312	2021313	2021314	2121311	2121312	2121313	2121314
	<b>4</b>	2021401	2021402	2021403	2021404	2121401	2121402	2121403	2121404
	<b>6</b>	2021601	2021602	2021603	2021604	2121601	2121602	2121603	2121604
	<b>1/4"</b>	2021611	2021612	2021613	2021614	2121611	2121612	2121613	2121614
<b>matt</b>	<b>3</b>	2621301	2621302	2621303	2621304	2721301	2721302	2721303	2721304
	<b>1/8"</b>	2621311	2621312	2621313	2621314	2721311	2721312	2721313	2721314
	<b>4</b>	2621401	2621402	2621403	2621404	2721401	2721402	2721403	2721404
	<b>6</b>	2621601	2621602	2621603	2621604	2721601	2721602	2721603	2721604
	<b>1/4"</b>	2621611	2621612	2621613	2621614	2721611	2721612	2721613	2721614

		<b>21mm Wing Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>3</b>	2221301	2221302	2221303	2221304	2321301	2321302	2321303	2321304
	<b>1/8"</b>	2221311	2221312	2221313	2221314	2321311	2321312	2321313	2321314
	<b>4</b>	2221401	2221402	2221403	2221404	2321401	2321402	2321403	2321404
	<b>6</b>	2221601	2221602	2221603	2221604	2321601	2321602	2321603	2321604
	<b>1/4"</b>	2221611	2221612	2221613	2221614	2321611	2321612	2321613	2321614
<b>matt</b>	<b>3</b>	2821301	2821302	2821303	2821304	2921301	2921302	2921303	2921304
	<b>1/8"</b>	2821311	2821312	2821313	2821314	2921311	2921312	2921313	2921314
	<b>4</b>	2821401	2821402	2821403	2821404	2921401	2921402	2921403	2921404
	<b>6</b>	2821601	2821602	2821603	2821604	2921601	2921602	2921603	2921604
	<b>1/4"</b>	2821611	2821612	2821613	2821614	2921611	2921612	2921613	2921614

		<b>21mm Arrow Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>3</b>	1821301	1821302	1821303	1821304	1921301	1921302	1921303	1921304
	<b>1/8"</b>	1821311	1821312	1821313	1821314	1921311	1921312	1921313	1921314
	<b>4</b>	1821401	1821402	1821403	1821404	1921401	1921402	1921403	1921404
	<b>6</b>	1821601	1821602	1821603	1821604	1921601	1921602	1921603	1921604
	<b>1/4"</b>	1821611	1821612	1821613	1821614	1921611	1921612	1921613	1921614
<b>matt</b>	<b>3</b>	1621301	1621302	1621303	1621304	1721301	1721302	1721303	1721304
	<b>1/8"</b>	1621311	1621312	1621313	1621314	1721311	1721312	1721313	1715314
	<b>4</b>	1621401	1621402	1621403	1621404	1721401	1721402	1721403	1721404
	<b>6</b>	1621601	1621602	1621603	1621604	1721601	1721602	1721603	1721604
	<b>1/4"</b>	1621611	1621612	1621613	1621614	1721611	1721612	1721613	1721614

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**21mm Knob cont.**

		<b>Flat Cap for 21mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3021001	3021002	3021003	3021004	3021005	3021006	3021007
	matt	3021101	3021102	3021103	3021104	3021105	3021106	3021107
with line	standard	3021011	3021012	3021013	3021014	3021015	3021016	3021017
	matt	3021111	3021112	3021113	3021114	3021115	3021116	3021117
with curved arrow	standard	3021021	3021022	3021023	3021024	3021025	3021026	3021027
	matt	3021121	3021122	3021123	3021124	3021125	3021126	3021127
with arrow	standard	3021031	3021032	3021033	3021034	3021035	3021036	3021037
	matt	3021131	3021132	3021133	3021134	3021135	3021136	3021137

		<b>Prismatic Cap for 21mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3121001	3121002	3121003	3121004	3121005	3121006	3121007
	matt	3121101	3121102	3121103	3121104	3121105	3121106	3121107
with point	standard	3121041	3121042	3121043	3121044	3121045	3121046	3121047
	matt	3121141	3121142	3121143	3121144	3121145	3121146	3121147

		<b>Curved Cap for 21mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3221001	3221002	3221003	3221004	3221005	3221006	3221007
	matt	3221101	3221102	3221103	3221104	3221105	3221106	3221107
with line	standard	3221011	3221012	3221013	3221014	3221015	3221016	3221017
	matt	3221111	3221112	3221113	3221114	3221115	3221116	3221117

		<b>Flat Cap with Aluminium Disk for 21mm Knobs</b>			
		light grey ring	dark grey ring	black ring	red ring
plain	standard	3521001	3521002	3521003	3521004
	matt	3521101	3521102	3521103	3521104
with line	standard	3521011	3521012	3521013	3521014
	matt	3521111	3521112	3521113	3521114

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**28mm Knob**

		<b>28mm Knob</b>							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>4</b>	2028401	2028402	2028403	2028404	2128401	2128402	2128403	2128404
	<b>6</b>	2028601	2028602	2028603	2028604	2128601	2128602	2128603	2128604
	<b>1/4"</b>	2028611	2028612	2028613	2028614	2128611	2128612	2128613	2128614
<b>matt</b>	<b>4</b>	2628401	2628402	2628403	2628404	2728401	2728402	2728403	2728404
	<b>6</b>	2628601	2628602	2628603	2628604	2728601	2728602	2728603	2728604
	<b>1/4"</b>	2628611	2628612	2628613	2628614	2728611	2728612	2728613	2728614

		<b>28mm Wing Knob</b>							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>4</b>	2228401	2228402	2228403	2228404	2328401	2328402	2328403	2328404
	<b>6</b>	2228601	2228602	2228603	2228604	2328601	2328602	2328603	2328604
	<b>1/4"</b>	2228611	2228612	2228613	2228614	2328611	2328612	2328613	2328614
<b>matt</b>	<b>4</b>	2828401	2828402	2828403	2828404	2928401	2928402	2928403	2928404
	<b>6</b>	2828601	2828602	2828603	2828604	2928601	2928602	2928603	2928604
	<b>1/4"</b>	2828611	2828612	2828613	2828614	2928611	2928612	2928613	2928614

		<b>28mm Arrow Knob</b>							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>6</b>	1828601	1828602	1828603	1828604	1928601	1928602	1928603	1928604
	<b>1/4"</b>	1828611	1828612	1828613	1828614	1928611	1928612	1928613	1928614
<b>matt</b>	<b>6</b>	1628601	1628602	1628603	1628604	1728601	1728602	1728603	1728604
	<b>1/4"</b>	1628611	1628612	1628613	1628614	1728611	1728612	1728613	1728614

		<b>Flat Cap for 28mm Knobs</b>							
		light grey	dark grey	black	red	blue	yellow	green	
<b>plain</b>	<b>standard</b>	3028001	3028002	3028003	3028004	3028005	3028006	3028007	
	<b>matt</b>	3028101	3028102	3028103	3028104	3028105	3028106	3028107	
<b>with line</b>	<b>standard</b>	3028011	3028012	3028013	3028014	3028015	3028016	3028017	
	<b>matt</b>	3028111	3028112	3028113	3028114	3028115	3028116	3028117	
<b>with curved arrow</b>	<b>standard</b>	3028021	3028022	3028023	3028024	3028025	3028026	3028027	
	<b>matt</b>	3028121	3028122	3028123	3028124	3028125	3028126	3028127	
<b>with arrow</b>	<b>standard</b>	3028031	3028032	3028033	3028034	3028035	3028036	3028037	
	<b>matt</b>	3028131	3028132	3028133	3028134	3028135	3028136	3028137	

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**28mm Knob cont.**

		<b>Prismatic Cap for 28mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
<b>plain</b>	<b>standard</b>	3128001	3128002	3128003	3128004	3128005	3128006	3128007
	<b>matt</b>	3128101	3128102	3128103	3128104	3128105	3128106	3128107
<b>with point</b>	<b>standard</b>	3128041	3128042	3128043	3128044	3128045	3128046	3128047
	<b>matt</b>	3128141	3128142	3128143	3128144	3128145	3128146	3128147

		<b>Curved Cap for 28mm Knobs</b>						
		light grey	dark grey	black	red	blue	yellow	green
<b>plain</b>	<b>standard</b>	3228001	3228002	3228003	3228004	3228005	3228006	3228007
	<b>matt</b>	3228101	3228102	3228103	3228104	3228105	3228106	3228107
<b>with line</b>	<b>standard</b>	3228011	3228012	3228013	3228014	3228015	3228016	3228017
	<b>matt</b>	3228111	3228112	3228113	3228114	3228115	3228116	3228117

		<b>Flat Cap with Aluminium Disk for 28mm Knobs</b>			
		light grey ring	dark grey ring	black ring	red ring
<b>plain</b>	<b>standard</b>	3528001	3528002	3528003	3528004
	<b>matt</b>	3528101	3528102	3528103	3528104
<b>with line</b>	<b>standard</b>	3528011	3528012	3528013	3528014
	<b>matt</b>	3528111	3528112	3528113	3528114

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**36mm Knob**

		<b>36mm Knob</b>							
		<b>no line</b>				<b>with line</b>			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>6</b>	2036601	2036602	2036603	2036604	2136601	2136602	2136603	2136604
	<b>1/4"</b>	2036611	2036612	2036613	2036614	2136611	2136612	2136613	2136614
<b>matt</b>	<b>6</b>	2636601	2636602	2636603	2636604	2736601	2736602	2736603	2736604
	<b>1/4"</b>	2636611	2636612	2636613	2636614	2736611	2736612	2736613	2736614

		<b>36mm Wing Knob</b>							
		<b>no line</b>				<b>with line</b>			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>6</b>	2236601	2236602	2236603	2236604	2336601	2336602	2336603	2336604
	<b>1/4"</b>	2236611	2236612	2236613	2236614	2336611	2336612	2336613	2336614
<b>matt</b>	<b>6</b>	2836601	2836602	2836603	2836604	2936601	2936602	2936603	2936604
	<b>1/4"</b>	2836611	2836612	2836613	2836614	2936611	2936612	2936613	2936614

		<b>Flat Cap for 36mm Knobs</b>							
		light grey	dark grey	black	red	blue	yellow	green	
<b>plain</b>	<b>standard</b>	3036001	3036002	3036003	3036004	3036005	3036006	3036007	
	<b>matt</b>	3036101	3036102	3036103	3036104	3036105	3036106	3036107	
<b>with line</b>	<b>standard</b>	3036011	3036012	3036013	3036014	3036015	3036016	3036017	
	<b>matt</b>	3036111	3036112	3036113	3036114	3036115	3036116	3036117	
<b>with curved arrow</b>	<b>standard</b>	3036021	3036022	3036023	3036024	3036025	3036026	3036027	
	<b>matt</b>	3036121	3036122	3036123	3036124	3036125	3036126	3036127	
<b>with arrow</b>	<b>standard</b>	3036031	3036032	3036033	3036034	3036035	3036036	3036037	
	<b>matt</b>	3036131	3036132	3036133	3036134	3036135	3036136	3036137	

		<b>Prismatic Cap for 36mm Knobs</b>							
		light grey	dark grey	black	red	blue	yellow	green	
<b>plain</b>	<b>standard</b>	3136001	3136002	3136003	3136004	3136005	3136006	3136007	
	<b>matt</b>	3136101	3136102	3136103	3136104	3136105	3136106	3136107	
<b>with point</b>	<b>standard</b>	3136041	3136042	3136043	3136044	3136045	3136046	3136047	
	<b>matt</b>	3136141	3136142	3136143	3136144	3136145	3136146	3136147	

RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON

36mm Knob cont.

		Curved Cap for 36mm Knobs						
		light grey	dark grey	black	red	blue	yellow	green
plain	standard	3236001	3236002	3236003	3236004	3236005	3236006	3236007
	matt	3236101	3236102	3236103	3236104	3236105	3236106	3236107
with line	standard	3236011	3236012	3236013	3236014	3236015	3236016	3236017
	matt	3236111	3236112	3236113	3236114	3236115	3236116	3236117

		Flat Cap with Aluminium Disk for 36mm Knobs			
		light grey ring	dark grey ring	black ring	red ring
plain	standard	3536001	3536002	3536003	3536004
	matt	3536101	3536102	3536103	3536104
with line	standard	3536011	3536012	3536013	3536014
	matt	3536111	3536112	3536113	3536114

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**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**45mm Knob**

		<b>45mm Knob</b>							
		<b>no line</b>				<b>with line</b>			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>6</b>	2045601	2045602	2045603	2045604	2145601	2145602	2145603	2145604
	<b>1/4"</b>	2045611	2045612	2045613	2045614	2145611	2145612	2145613	2145614
<b>matt</b>	<b>6</b>	2645601	2645602	2645603	2645604	2745601	2745602	2745603	2745604
	<b>1/4"</b>	2645611	2645612	2645613	2645614	2745611	2745612	2745613	2745614

		<b>Flat Cap for 45mm Knobs</b>							
		light grey	dark grey	black	red	blue	yellow	green	
<b>plain</b>	<b>standard</b>	3045001	3045002	3045003	3045004	3045005	3045006	3045007	
	<b>matt</b>	3045101	3045102	3045103	3045104	3045105	3045106	3045107	
<b>with line</b>	<b>standard</b>	3045011	3045012	3045013	3045014	3045015	3045016	3045017	
	<b>matt</b>	3045111	3045112	3045113	3045114	3045115	3045116	3045117	
<b>with curved arrow</b>	<b>standard</b>	3045021	3045022	3045023	3045024	3045025	3045026	3045027	
	<b>matt</b>	3045121	3045122	3045123	3045124	3045125	3045126	3045127	
<b>with arrow</b>	<b>standard</b>	3045031	3045032	3045033	3045034	3045035	3045036	3045037	
	<b>matt</b>	3045131	3045132	3045133	3045134	3045135	3045136	3045137	

		<b>Curved Cap for 45mm Knobs</b>							
		light grey	dark grey	black	red	blue	yellow	green	
<b>plain</b>	<b>standard</b>	3245001	3245002	3245003	3245004	3245005	3245006	3245007	
	<b>matt</b>	3245101	3245102	3245103	3245104	3245105	3245106	3245107	
<b>with line</b>	<b>standard</b>	3245011	3245012	3245013	3245014	3245015	3245016	3245017	
	<b>matt</b>	3245111	3245112	3245113	3245114	3245115	3245116	3245117	

## RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY ELLMAX ELECTRONICS LTD., LONDON

### 15mm Short Knob

Ritel short control knobs have lengths reduced by about 20% compared to the standard knobs in the range. The short knobs are mounted using a commercial hexagonal box spanner, unless indicated as having a 'screw' rather than a 'nut' fitting, in which case they are mounted using either an ordinary screwdriver or a Phillips screwdriver. All accessories are usable with these short knobs. Please note that for caps for any 15mm short knobs, please add "BV 204" to the normal cap part number appearing on page 7.

		<b>15mm Short Knob with screw</b>							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>3</b>	6015301	6015302	6015303	6015304	6115301	6115302	6115303	6115304
	<b>1/8"</b>	6015311	6015312	6015313	6015314	6115311	6115312	6115313	6115314
	<b>4</b>	6015401	6015402	6015403	6015404	6115401	6115402	6115403	6115404
	<b>6</b>	6015601	6015602	6015603	6015604	6115601	6115602	6115603	6115604
	<b>1/4"</b>	6015611	6015612	6015613	6015614	6115611	6115612	6115613	6115614
<b>matt</b>	<b>3</b>	6615301	6615302	6615303	6615304	6715301	6715302	6715303	6715304
	<b>1/8"</b>	6615311	6615312	6615313	6615314	6715311	6715312	6715313	6715314
	<b>4</b>	6615401	6615402	6615403	6615404	6715401	6715402	6715403	6715404
	<b>6</b>	6615601	6615602	6615603	6615604	6715601	6715602	6715603	6715604
	<b>1/4"</b>	6615611	6615612	6615613	6615614	6715611	6715612	6715613	6715614

		<b>15mm Short Wing Knob with screw</b>							
		no line				with line			
	shaft Ø	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>3</b>	6215301	6215302	6215303	6215304	6315301	6315302	6315303	6315304
	<b>1/8"</b>	6215311	6215312	6215313	6215314	6315311	6315312	6315313	6315314
	<b>4</b>	6215401	6215402	6215403	6215404	6315401	6315402	6315403	6315404
	<b>6</b>	6215601	6215602	6215603	6215604	6315601	6315602	6315603	6315604
	<b>1/4"</b>	6215611	6215612	6215613	6215614	6315611	6315612	6315613	6315614
<b>matt</b>	<b>3</b>	6815301	6815302	6815303	6815304	6915301	6915302	6915303	6915304
	<b>1/8"</b>	6815311	6815312	6815313	6815314	6915311	6915312	6915313	6915314
	<b>4</b>	6815401	6815402	6815403	6815404	6915401	6915402	6915403	6915404
	<b>6</b>	6815601	6815602	6815603	6815604	6915601	6915602	6915603	6915604
	<b>1/4"</b>	6815611	6815612	6815613	6815614	6915611	6915612	6915613	6915614



**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**15mm Short Knob cont.**

		<b>15mm Short Knob with nut</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>3</b>	6015361	6015362	6015363	6015364	6115361	6115362	6115363	6115364
	<b>1/8"</b>	6015371	6015372	6015373	6015374	6115371	6115372	6115373	6115374
	<b>4</b>	6015461	6015462	6015463	6015464	6115461	6115462	6115463	6115464
	<b>6</b>	6015701	6015702	6015703	6015704	6115701	6115702	6115703	6115704
	<b>1/4"</b>	6015711	6015712	6015713	6015714	6115711	6115712	6115713	6115714
<b>matt</b>	<b>3</b>	6615361	6615362	6615363	6615364	6715361	6715362	6715363	6715364
	<b>1/8"</b>	6615371	6615372	6615373	6615374	6715371	6715372	6715373	6715374
	<b>4</b>	6615461	6615462	6615463	6615464	6715461	6715462	6715463	6715464
	<b>6</b>	6615701	6615702	6615703	6615704	6715701	6715702	6715703	6715704
	<b>1/4"</b>	6615711	6615712	6615713	6615714	6715711	6715712	6715713	6715714

		<b>15mm Short Wing Knob with nut</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>3</b>	6215361	6215362	6215363	6215364	6315361	6315362	6315363	6315364
	<b>1/8"</b>	6215371	6215372	6215373	6215374	6315371	6315372	6315373	6315374
	<b>4</b>	6215461	6215462	6215463	6215464	6315461	6315462	6315463	6315464
	<b>6</b>	6215701	6215702	6215703	6215704	6315701	6315702	6315703	6315704
	<b>1/4"</b>	6215711	6215712	6215713	6215714	6315711	6315712	6315713	6315714
<b>matt</b>	<b>3</b>	6815361	6815362	6815363	6815364	6915361	6915362	6915363	6915364
	<b>1/8"</b>	6815371	6815372	6815373	6815374	6915371	6915372	6915373	6915374
	<b>4</b>	6815461	6815462	6815463	6815464	6915461	6915462	6915463	6915464
	<b>6</b>	6815701	6815702	6815703	6815704	6915701	6915702	6915703	6915704
	<b>1/4"</b>	6815711	6815712	6815713	6815714	6915711	6915712	6915713	6915714

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**21 - 36mm Short Knob**

		<b>21mm Short Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>3</b>	6021361	6021362	6021363	6021364	6121361	6121362	6121363	6121364
	<b>1/8"</b>	6021371	6021372	6021373	6021374	6121371	6121372	6121373	6121374
	<b>4</b>	6021461	6021462	6021463	6021464	6121461	6121462	6121463	6121464
	<b>6</b>	6021761	6021762	6021763	6021764	6121761	6121762	6121763	6121764
	<b>1/4"</b>	6021751	6021752	6021753	6021754	6121751	6121752	6121753	6121754
<b>matt</b>	<b>3</b>	6621361	6621362	6621363	6621364	6721361	6721362	6721363	6721364
	<b>1/8"</b>	6621371	6621372	6621373	6621374	6721371	6721372	6721373	6721374
	<b>4</b>	6621461	6621462	6621463	6621464	6721461	6721462	6721463	6721464
	<b>6</b>	6621761	6621762	6621763	6621764	6721761	6721762	6721763	6721764
	<b>1/4"</b>	6621751	6621752	6621753	6621754	6721751	6721752	6721753	6721754

		<b>28mm Short Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>4</b>	6028461	6028462	6028463	6028464	6128461	6128462	6128463	6128464
	<b>6</b>	6028761	6028762	6028763	6028764	6128761	6128762	6128763	6128764
	<b>1/4"</b>	6028751	6028752	6028753	6028754	6128751	6128752	6128753	6128754
<b>matt</b>	<b>4</b>	6628461	6628462	6628463	6628464	6728461	6728462	6728463	6728464
	<b>6</b>	6628761	6628762	6628763	6628764	6728761	6728762	6728763	6728764
	<b>1/4"</b>	6628751	6628752	6628753	6628754	6728751	6728752	6728753	6728754

		<b>36mm Short Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	light grey	dark grey	black	red	light grey	dark grey	black	red
<b>standard</b>	<b>6</b>	6036761	6036762	6036763	6036764	6136761	6136762	6136763	6136764
	<b>1/4"</b>	6036751	6036752	6036753	6036754	6136751	6136752	6136753	6136754
<b>matt</b>	<b>6</b>	6636761	6636762	6636763	6636764	6736761	6736762	6736763	6736764
	<b>1/4"</b>	6636751	6636752	6636753	6636754	6736751	6736752	6736753	6736754

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**21 - 36mm Short Wing Knob**

		<b>21mm Short Wing Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>3</b>	6221361	6221362	6221363	6221364	6321361	6321362	6321363	6321364
	<b>1/8"</b>	6221371	6221372	6221373	6221374	6321371	6321372	6321373	6321374
	<b>4</b>	6221461	6221462	6221463	6221464	6321461	6321462	6321463	6321464
	<b>6</b>	6221761	6221762	6221763	6221764	6321761	6321762	6321763	6321764
	<b>1/4"</b>	6221751	6221752	6221753	6221754	6321751	6321752	6321753	6321754
<b>matt</b>	<b>3</b>	6821361	6821362	6821363	6821364	6921361	6921362	6921363	6921364
	<b>1/8"</b>	6821371	6821372	6821373	6821374	6921371	6921372	6921373	6921374
	<b>4</b>	6821461	6821462	6821463	6821464	6921461	6921462	6921463	6921464
	<b>6</b>	6821761	6821762	6821763	6821764	6921761	6921762	6921763	6921764
	<b>1/4"</b>	6821751	6821752	6821753	6821754	6921751	6921752	6921753	6921754

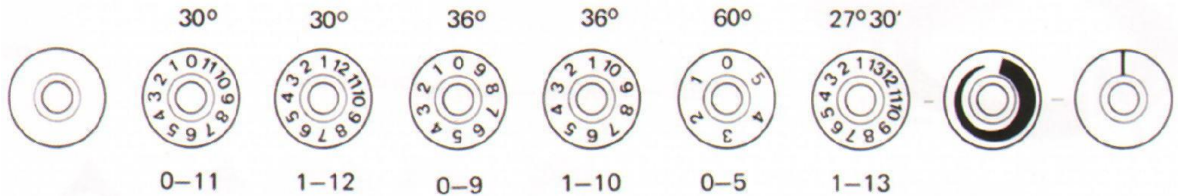
		<b>28mm Short Wing Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>4</b>	6228461	6228462	6228463	6228464	6328461	6328462	6328463	6328464
	<b>6</b>	6228761	6228762	6228763	6228764	6328761	6328762	6328763	6328764
	<b>1/4"</b>	6228751	6228752	6228753	6228754	6328751	6328752	6328753	6328754
<b>matt</b>	<b>4</b>	6828461	6828462	6828463	6828464	6928461	6928462	6928463	6928464
	<b>6</b>	6828761	6828762	6828763	6828764	6928761	6928762	6928763	6928764
	<b>1/4"</b>	6828751	6828752	6828753	6828754	6928751	6928752	6928753	6928754

		<b>36mm Short Wing Knob</b>							
		<b>no line</b>				<b>with line</b>			
	<b>shaft Ø</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>	<b>light grey</b>	<b>dark grey</b>	<b>black</b>	<b>red</b>
<b>standard</b>	<b>6</b>	6236761	6236762	6236763	6236764	6336761	6336762	6336763	6336764
	<b>1/4"</b>	6236751	6236752	6236753	6236754	6336751	6336752	6336753	6336754
<b>matt</b>	<b>6</b>	6836761	6836762	6836763	6836764	6936761	6936762	6936763	6936764
	<b>1/4"</b>	6836751	6836752	6836753	6836754	6936751	6936752	6936753	6936754

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**8 - 45mm Accessories**

The Figure Dial, Arrow Dial, and Arrow skirts all have pins on the same face as the markings, and these skirts are attached to the knob by push fitting the pins into the holes in the underside of the knob. Glue may be used for a permanent fixing. The Stator has fixing pins on the opposite side to the markings. The sizes of these skirts are given in Ritel's catalogue.



<b>Figure Dial</b>									
	blank	0-11	1-12	0-9	1-10	0-5	1-13	curved arrow	line
<b>8mm</b>	4608000	4608010	4608020	4608030	4608040	4608050	4608060	4608100	4608110
<b>10mm</b>	4610000	4610010	4610020	4610030	4610040	4610050	4610060	4610100	4610110
<b>13mm</b>	4613000	4613010	4613020	4613030	4613040	4613050	4613060	4613100	4613110
<b>15mm</b>	4615000	4615010	4615020	4615030	4615040	4615050	4615060	4615100	4615110
<b>21mm</b>	4621000	4621010	4621020	4621030	4621040	4621050	4621060	4621100	4621110
<b>28mm</b>	4628000	4628010	4628020	4628030	4628040	4628050	4628060	4628100	4628110
<b>36mm</b>	4636000	4636010	4636020	4636030	4636040	4636050	4636060	4636100	4636110
<b>45mm</b>	4645000	4645010	4645020	4645030	4645040	4645050	4645060	4645100	4645110

RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON

8 - 45mm Accessories cont.



		Arrow Dial							
		light grey with black arrow	dark grey with white arrow	black with white arrow	red with white arrow	light grey with black line	dark grey with white line	black with white line	red with white line
8mm	standard	4508011	4508012	4508013	4508014	4508021	4508022	4508023	4508024
	matt	4508111	4508112	4508113	4508114	4508121	4508122	4508123	4508124
10mm	standard	4510011	4510012	4510013	4510014	4510021	4510022	4510023	4510024
	matt	4510111	4510112	4510113	4510114	4510121	4510122	4510123	4510124
13mm	standard	4513011	4513012	4513013	4513014	4513021	4513022	4513023	4513024
	matt	4513111	4513112	4513113	4513114	4513121	4513122	4513123	4513124
15mm	standard	4515011	4515012	4515013	4515014	4515021	4515022	4515023	4515024
	matt	4515111	4515112	4515113	4515114	4515121	4515122	4515123	4515124
21mm	standard	4521011	4521012	4521013	4521014	4521021	4521022	4521023	4521024
	matt	4521111	4521112	4521113	4521114	4521121	4521122	4521123	4521124
28mm	standard	4528011	4528012	4528013	4528014	4528021	4528022	4528023	4528024
	matt	4528111	4528112	4528113	4528114	4528121	4528122	4528123	4528124
36mm	standard	4536011	4536012	4536013	4536014	4536021	4536022	4536023	4536024
	matt	4536111	4536112	4536113	4536114	4536121	4536122	4536123	4536124
45mm	standard	4545011	4545012	4545013	4545014	4545021	4545022	4545023	4545024
	matt	4545111	4545112	4545113	4545114	4545121	4545122	4545123	4545124

RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON

8 - 45mm Accessories cont.



	<b>Stator</b>	
	grey with black marker	black with white marker
<b>8mm</b>	4708011	4708023
<b>10mm</b>	4710011	4710023
<b>13mm</b>	4713011	4713023
<b>15mm</b>	4715011	4715023
<b>21mm</b>	4721011	4721023
<b>28mm</b>	4728011	4728023
<b>36mm</b>	4736011	4736023
<b>45mm</b>	4745011	4745023

RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON

8 - 45mm Accessories cont.



		Arrow						
		light grey	dark grey	black	red	blue	yellow	green
8mm	standard	4008001	4008002	4008003	4008004	4008005	4008006	4008007
	matt	4008101	4008102	4008103	4008104	4008105	4008106	4008107
10mm	standard	4010001	4010002	4010003	4010004	4010005	4010006	4010007
	matt	4010101	4010102	4010103	4010104	4010105	4010106	4010107
13mm	standard	4013001	4013002	4013003	4013004	4013005	4013006	4013007
	matt	4013101	4013102	4013103	4013104	4013105	4013106	4013107
15mm	standard	4015001	4015002	4015003	4015004	4015005	4015006	4015007
	matt	4015101	4015102	4015103	4015104	4015105	4015106	4015107
21mm	standard	4021001	4021002	4021003	4021004	4021005	4021006	4021007
	matt	4021101	4021102	4021103	4021104	4021105	4021106	4021107
28mm	standard	4028001	4028002	4028003	4028004	4028005	4028006	4028007
	matt	4028101	4028102	4028103	4028104	4028105	4028106	4028107
36mm	standard	4036001	4036002	4036003	4036004	4036005	4036006	4036007
	matt	4036101	4036102	4036103	4036104	4036105	4036106	4036107
45mm	standard	4045001	4045002	4045003	4045004	4045005	4045006	4045007
	matt	4045101	4045102	4045103	4045104	4045105	4045106	4045107

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY ELLMAX ELECTRONICS LTD., LONDON**

**10, 13, 15mm Accessories**

The 21, 28, 36, and 45mm knobs have recesses for nuts. The following nut covers, which fit onto the underside of the knobs via pins, are available for the 10, 13, and 15mm knobs:



		Nut Cover							
		light grey without line	dark grey without line	black without line	red without line	light grey with black line	dark grey with white line	black with white line	red with white line
10mm	standard	4810001	4810002	4810003	4810004	4810011	4810012	4810013	4810014
	matt	4810101	4810102	4810103	4810104	4810111	4810112	4810113	4810114
with line for wing knobs	standard					4810021	4810022	4810023	4810024
	matt					4810121	4810122	4810123	4810124
13mm	standard	4813001	4813002	4813003	4813004	4813011	4813012	4813013	4813014
	matt	4813101	4813102	4813103	4813104	4813111	4813112	4813113	4813114
with line for wing knobs	standard					4813021	4813022	4813023	4813024
	matt					4813121	4813122	4813123	4813124
15mm	standard	4815001	4815002	4815003	4815004	4815011	4815012	4815013	4815014
	matt	4815101	4815102	4815103	4815104	4815111	4815112	4815113	4815114
with line for wing knobs	standard					4815021	4815022	4815023	4815024
	matt					4815121	4815122	4815123	4815124



		Nut Cover with arrow			
		light grey with arrow	dark grey with arrow	black with arrow	red with arrow
10mm	standard	4810031	4810032	4810033	4810034
	matt	4810131	4810132	4810133	4810134
with line for wing knobs	standard	4810041	4810042	4810043	4810044
	matt	4810141	4810142	4810143	4810144
15mm	standard	4815031	4815032	4815033	4815034
	matt	4815131	4815132	4815133	4815134
with line for wing knobs	standard	4815041	4815042	4815043	4815044
	matt	4815141	4815142	4815143	4815144



**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**

**Double Knobs with coaxial collets**



All the various Ritel control knob part numbers are of the form 'abcdefg', where 'ab' is the knob design, 'cd' is the knob size, 'ef' is the collet type, and 'g' is the colour. For the double knob with coaxial collets, the upper knob is the standard unit (for the smaller of the two shafts) and so the part numbers for the upper knob and cap are as shown in the preceding pages. An intermediate cap between the two knobs has the part number shown on the next page. The lower knob has a collet (for the larger of the two shafts, and enabling the smaller shaft to pass through) with the code for the 'ef' section of the part number (i.e. the collet type) as shown below, and the rest of the lower knob part number is as shown in the preceding pages.

knob size	shaft $\varnothing$	collet code
13mm	3mm	36
	1/8"	37
	4mm	46
	6mm	70
	1/4"	71
15mm	3mm	36
	1/8"	37
	4mm	46
	6mm	70
	1/4"	71
21-45mm	3mm	36
	1/8"	37
	4mm	46
	6mm	76
	1/4"	75
28-45mm	8mm	80*
	10mm	10*

\*not available for 28mm arrow knob

RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON

Double Knobs with coaxial collets cont.



		Intermediate Cap				
knob size	hole diameter		light grey	dark grey	black	red
15mm	4.5	standard	3815001	3815002	3815003	3815004
		matt	3815101	3815102	3815103	3815104
21mm	6.5	standard	3821001	3821002	3821003	3821004
		matt	3821101	3821102	3821103	3821104
28mm	6.5	standard	3828001	3828002	3828003	3828004
		matt	3828101	3828102	3828103	3828104
36mm	6.5	standard	3836001	3836002	3836003	3836004
		matt	3836101	3836102	3836103	3836104
45mm	6.5	standard	3845001	3845002	3845003	3845004
		matt	3845101	3845102	3845103	3845104

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**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**  
**Push-On Knobs with matt finish**

Push-on knobs have the advantage of being mounted quickly and they are also low-cost. All accessories may be used with Ritel's range of push-on control knobs. These push-on knobs come with matt finish only.

		<b>Push-On Knobs with matt finish</b>			
knob size	shaft $\varnothing$	light grey	black	light grey with line	black with line
10mm	3	7610301	7610303	7710301	7710303
	1/8"	7610311	7610313	7710311	7710313
	4	7610401	7610403	7710401	7710403
15mm	1/8"	7615311	7615313	7715311	7715313
	4	7615401	7615403	7715401	7715403
	6	7615601	7615603	7715601	7715603
	1/4"	7615611	7615613	7715611	7715613
21mm	4	7621401	7621403	7721401	7721403
	6	7621601	7621603	7721601	7721603
	1/4"	7621611	7621613	7721611	7721613
28mm	6	7628601	7628603	7728601	7728603
	1/4"	7628611	7628613	7728611	7728613

**RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY  
ELLMAX ELECTRONICS LTD., LONDON**  
**Soft-touch Knobs with matt finish**

Ritel's soft-touch knobs come with either a single collet or a double collet. The soft-touch control knobs are based on the basic shape knobs with diameter 15, 21, 28, and 36mm. They come with or without lines, and their finish is matt only. 'ST' is added at the end of the basic shape knob part number to form the soft-touch knob part number. For example, a 15mm single collet soft-touch black knob with a 1/4" shaft size, with a line (and with a matt finish) has the part number 2715613ST.

All accessories may be used with Ritel's range of soft-touch knobs.

**Special Knobs, including Conductive Knobs**

Ritel produce various special knobs, such as conductive knobs which are used in motorised faders and controls, to suit customers' requirements. Please contact us for more information.

The logo for ELLMAX ELECTRONICS is centered on the page. It consists of the words "ELLMAX" and "ELECTRONICS" stacked vertically in a bold, sans-serif font. The text is contained within a light blue, rounded rectangular border. The background of the entire page is a light blue halftone dot pattern.

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## RANGE SUMMARY OF RITEL PRODUCTS, AS SUPPLIED BY ELLMAX ELECTRONICS LTD., LONDON

### General Accessories



<b>box spanner</b>		<b>4915000</b>
<b>slotted nut</b>	<b>thread M10 x 0.75</b>	<b>4915100</b>
	<b>thread 3/8-32</b>	<b>4915950</b>
<b>locking device</b> available for knobs with diam. 21, 28, 36, & 45mm, and used for shafts with flat (i.e. D-shaped)	<b>for 6mm shaft (5.0mm diam. to flat [x<sup>1</sup>])</b>	<b>4915600</b>
	<b>for 1/4" shaft (5.08mm diam. to flat [x<sup>1</sup>])</b>	<b>4915610</b>

### 4mm Terminals (10mm and 15mm)



		<b>4mm Terminals (10mm or 15mm)</b>							
size		light grey	dark grey	black	red	blue	yellow	green	yellow and green
<b>10mm (20A)</b>	<b>standard</b>	2410001	2410002	2410003	2410004	2410005	2410006	2410007	2410008
	<b>matt</b>	2410101	2410102	2410103	2410104	2410105	2410106	2410107	
<b>15mm (25A)</b>	<b>standard</b>	2415001	2415002	2415003	2415004	2415005	2415006	2415007	2415008
	<b>matt</b>	2415101	2415102	2415103	2415104	2415105	2415106	2415107	

Please note that the prefix KX was used in all Ritel part numbers by Bulgin Components, who used to supply Ritel products in the UK.

*For further details on Ritel products please contact:*

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