



PHOTO	DESCRIPTION	CATALOGUE NUMBER	INPUT VOLTAGE 50/60Hz Vac	OUTPUT VOLTAGE Vdc	MAXIMUM RATINGS WITHOUT AUXILIARY HEATSINK		MAXIMUM RATINGS WITH AUXILIARY HEATSINK		REQUIRES PLUG-IN RESISTOR	LIST PRICE \$	GROUP
					kW	dc amps	kW	dc amps			
	<p><b>KBIC™</b>. Controls PM, Shunt and ac/dc motors over a range of .0075 - 1.5kW. All models can be used on a wide range of motor ratings by inserting the proper Plug-in Horsepower Resistor™. Speed range is 50:1 with load regulation of 1%. Features include Auto Inhibit™, Voltage Following, MOV transient protection, 5K speed pot and trimpot adjustments for MIN, MAX, ACCEL, IR and CL. Options include Auxiliary Heatsink, ac Line and Armature Fuse Kit and Barrier Terminal Kit. Dimensions: 92 x 109 x 32mm.</p>	<b>KBIC-120</b>	120	0-100	0.37	6.0	0.75	12.0	YES	<b>132</b>	KB
		<b>KBIC-240</b>	240	0-200	0.75	6.0	1.5	12.0	YES	<b>143</b>	KB
		<b>9884</b>	Barrier Terminal Board		—	<b>26</b>	KX				
		<b>9443</b>	Barrier Terminal Board with Signal Isolator		—	<b>153</b>	KX				
		<b>9995</b>	DIN Rail mount kit		—	<b>28</b>	KX				
	<p><b>KBMM™</b>. Full-wave, variable speed, dc Motor Control, contains a unique, super fast Direct-Fed™ current limit circuit that helps to protect the SCR power bridge against direct shorts at the motor. The KBMM™ is also fitted with the Plug-in Horsepower Resistor and has features such as selectable armature or tach feedback and adjustment trim pots for min. speed, max. speed, IR comp, CL and linear accel and decel. The KBMM circuitry also includes Auto Inhibit, which eliminates surging during rapid ac line switching; pulse transformer triggering which provides cogless operation at low speed under no load conditions; and superior noise rejection which eliminates false starts and blown SCR's. Size 109 x 92 x 32mm.</p>	<b>KBMM-125</b>	120	0-100	0.56	8.0	1.1	16.0	YES	<b>173</b>	KB
		<b>KBMM-225</b>	240	0-200	1.1	8.0	2.2	16.0	YES	<b>180</b>	KB
		<b>KBMM-225D</b>	120	0-100	0.56	8.0	1.1	16.0	YES	<b>192</b>	KB
			240	0-200	1.1	8.0	2.2	16.0			
		<b>9444</b>	120/240 Jumper select	Barrier Terminal Board with Signal Isolator		—	<b>153</b>	KX			
		<b>9952</b>	Run/Brake Module		—	<b>81</b>	KX				
		<b>9897</b>	Barrier Terminal Board		—	<b>26</b>	KX				
<b>9995</b>	DIN Rail mount kit		—	<b>28</b>	KX						
	<p><b>KBCC-255™</b>. Designed to control 3.75kW dc Shunt and PM motors. It is built on a rugged aluminium chassis and uses the KBMM™ modular control, which contains Direct-Fed™ CL circuitry, for excellent performance and reliability. The unit contains a 42 Amp power bridge, armature and control fusing, which enhances reliability. An exclusive feature, found only in KB drives, is Auto Inhibit™, which provides a smooth, safe start during rapid switching of the ac line. Standard features include: armature or tach feedback and trim pots for Min, Max, IR Comp, CL and Linear Accel and Decel. A 5K speed potentiometer is included. Dimensions: 254 x 160 x 101mm. Patented.</p>	<b>KBCC-255</b>	240	0-200	3.75	26.0	—	—	NO	<b>538</b>	KB
	<p><b>KBCC-R™</b>. Chassis mount control designed to provide anti-plug "instant" reversing, solid state dynamic braking and rapid cycling. It combines all of the features of the KBCC control with the features of the KB APRM™. The APRM™ eliminates contact arcing by allowing armature switching to take place only when current levels are near zero. Specific functions that can be performed by the KBCC-R are Run-Brake, Forward-Brake-Reverse, Run-Stop and Forward-Brake-Reverse. Run-Stop and Forward Reverse (instant reverse). Dimensions: 229 x 159 x 114mm.</p>	<b>KBCC-125R</b>	120	0-100	1.1	16.0	—	—	YES	<b>458</b>	KB
		<b>KBCC-225R</b>	240	0-200	2.2	16.0	—	—	YES	<b>500</b>	KB
	<p><b>KBPB™</b>. A compact version of the KBCC-R control. The APRM™ is mounted directly to the rear of the KBIC™ speed control. A built-in barrier terminal block and its small size make the control ideal for installation where space is at a premium. The KBPB™ is equipped with a built-in 10 ohm, 50W dynamic brake resistor, ACCEL/DECEL trim pots and an ac line fuse. This control provides functions identical to that of the KBCC™. A 5K ohm remote potentiometer is included. Dimensions: 108 x 111 x 125mm.</p>	<b>KBPB-125</b>	120	0-100	0.56	8.0	1.1	16.0	YES	<b>380</b>	KB
		<b>KBPB-225</b>	240	0-200	1.1	8.0	2.2	16.0	YES	<b>425</b>	KB
		<b>9995</b>	DIN Rail Mount (converts to DIN rail mounting)		—	<b>28</b>	KX				
	<p><b>KBMG™</b>. Ultracompact, full-wave regenerative drive for dc PM or Shunt motors. 4-quadrant operation. Maintains constant speed with overhauling loads and provides rapid reversing and controlled braking. Can replace servos in many applications. Features jumper selection for — Speed or Torque control; Vac input; Vdc output; tach-gen feedback; amps dc output; analog input Vdc; "regenerate to stop" or "coast to stop". Trim pots for — Dead band; Response; IR; CL fwd and rev; Speed max; Fwd Accel and Reverse Accel. LED's — Power On; Overload. Enable function for remote contactor start and stop. Auto Inhibit® provides safe, smooth starting even during rapid cycling of the ac line. A 5K remote potentiometer supplied. Dimensions: 92 x 109 x 45mm.</p>	<b>KBMG-21D</b>	120	0±90	0.05	1.0	—	—	NO	<b>253</b>	KB
			240	0±180	0.1	1.0	—	—			
		<b>KBMG-212D</b>	120	0±90	0.5	8.0	0.75	11.0	NO	<b>274</b>	KB
			240	0±180	1.0	8.0	1.5	11.0			
		<b>8832</b>	SIMG Bipolar Signal Isolator (for non-isolated signal source)		—	<b>151</b>	KX				
		<b>8833</b>	Multi-speed boards		—	<b>84</b>	KX				
		<b>8834</b>	4 Quadrant Accel/Decel board		—	<b>135</b>	KX				
<b>9995</b>	DIN Rail Mount (converts to DIN rail mounting)		—	<b>28</b>	KX						








## PENTA KB POWER

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					kW	dc amps	kW	dc amps			
	KBRG™ Full-wave Regenerative Control. Capable of operating a dc motor (PM or Shunt) in a bi-directional mode. It provides 4-quadrant operation which allows forward and reverse torque in both speed directions. Standard features include: built-in heatsink and motor kilowatt selection, armature and tach feedback (212D volt following), trim pots for Fwd CL, Rev CL, IR Comp, Response, Max Spd, Offset, Deadband, Fwd Accel, Rev Accel and Timed Current Limit. LED indicators for: Power On, Current Limit, Fwd Enable and Rev Enable. 5K speed pot included. 225D/240D = 196 x 254 x 85mm. 212D = 213 x 121 x 43.2. Options: SI-4X bi-polar signal isolator: 8803 4-quadrant Accel/Decel Board provides independent adjustment in both directions: 8804 PID increases dynamic response.	<b>KBRG-212D</b>	120/240	0±90	0.5	7.5			NO	<b>353</b>	KB
			240	0±180	1.0	7.5					
		<b>KBRG-225D</b>	120	0-100	1.1	16.0			NO	<b>645</b>	KB
			240	0-200	2.2	16.0					
		<b>KBRG-240D</b>	120	0-100	0.75	11.0			NO	<b>543</b>	KB
			240	0-200	1.5	11.0					
		<b>KBRG-255</b>	240	0-200	3.7	26.0			NO	<b>791</b>	KB
<b>KBSI-4X Isolator</b>								–	<b>180</b>	KX	
<b>SC8820</b>	Mounting Bracket for KBSI-4X for use with KBRG-212D							–	<b>N/C</b>	–	
<b>8803 4 Quadrant</b>								–	<b>136</b>	KX	
<b>8804 PID Control</b>								–	<b>230</b>	KX	
	<b>KBWD-15 Pulse Width Modulated (PWM) dc motor speed control.</b> Significantly lowers audible motor noise and provide longer brush life. Less motor heating allows a smaller, less costly motor to be used for most applications. Another advantage of PWM is higher output voltage which provides increased output speed. Includes armature and tachometer feedback, 1 x t overload protection and diagnostic LED's for "Power On" and "Overload (CL)" indication. RFI filtering and barrier terminals standard.	<b>KBWD-15</b>	120	0-130	0.56	5.0	–	–	YES	<b>189</b>	KB
	<b>KBWT Pulse Width Modulated (PWM) dc motor speed control.</b> Designed for high current applications. Form factor <1.05. Active bridge circuitry limits inrush current during ac line startup and prevents control runaway in the event of shorted output transistors. Includes (1 x t) overload protection and instantaneous short circuit protection. KBWT-26 = 127 x 178 x 50.8mm. KBWT-210 = 172 x 178 x 50.8mm.	<b>KBWT-26</b>	240	0-260	1.1	6.0	–	–	NO	<b>243</b>	KB
		<b>KBWT-210</b>	240	0-260	1.5	8.5	–	–	NO	<b>330</b>	KB
	<b>KBWS-25D Pulse Width Modulated (PWM) Whisper-Drive™ with built-in input signal isolation.</b> Designed for PWM and SCR rated Permanent Magnet motors. Switching frequency greater than 16kHz for high motor efficiency and quiet operation. High max. output voltage for increased motor speed. Auto input voltage sensing. Accepts Plug-in Resistor for auto IR compensation and current limit. LEDs for power on and current limit. Protection includes motor short circuit, undervoltage, MOV input transient, ac-line inrush current limit. Trim pots for Max. and Min. Speed, Accel and Decel, Current Limit, IR Comp. Dimensions: 110 x 92 x 81mm. Accessories: <b>8611</b> Product Safety Module protects operator from runaway and uncontrolled acceleration.	SCR Motor	120	0-90	0.37	5.0	–	–	YES	<b>219</b>	KB
			208/230	0-180	0.75	5.0	–	–			
			208/230	0-90	0.37	5.0	–	–			
		PWM Motor	120	0-90	0.5	5.0	–	–			
			208/230	0-180	1.0	5.0	–	–			
			208/230	0-90	0.5	5.0	–	–			
<b>8611</b>	Product Safety Module							–	<b>23</b>	KX	



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					kW	dc amps	kW	dc amps			
	KBWM-240 Compact Packaged SCR Drive in NEMA 1 Enclosure. Specifically designed for SCR rated permanent magnet dc motors up to 0.56kw. Suitable for 240Vac single phase input. It utilises the KBMM™ speed control for its electronics, preventing motor demagnetisation. Rugged all-metal NEMA 1 enclosure. Built-in speed control potentiometer, dial and ON/OFF ac line switch with indicator lamp. Includes ac line fuse and has facilities to accept armature fuse. Accepts KB Plug-in Horsepower Resistor™ for motor size selection, eliminating the need to calibrate IR compensation and CL. Dimensions: 59 x 94 x 134mm.	<b>KBWM-240</b>	240	0-90 or 180 Jumper select	0.56	3.5	–	–	YES	<b>182</b>	KB
	KBMD-240D Packaged SCR Drive in a NEMA-1 Enclosure. Also called Multi-Drive™ It utilises the KBMM™ speed control for its electronics. The Multi-Drive™ is rugged and compact in size. It handles both 120 and 240V ac line inputs by setting the built-in Dual Voltage Switch. In addition, the single model can be used on a wide range of motor ratings by inserting the appropriate Plug-in Horsepower Resistor™. The Auxiliary Heatsink (optional) doubles the rating of the basic unit. An optional Forward-Brake-Reverse Switch Kit is also available. Dimensions: 129 x 136 x 181mm. Requires Armature and Line Fuses.	<b>KBMD-240D</b>	120	0-100	0.56	8.0	0.76	11.0	YES	<b>248</b>	KB
			240	0-200	1.1	8.0	1.5	11.0			
		<b>9860</b>	Forward/brake/reverse switch	–	<b>124</b>	KX					
<b>9861</b>	Auxiliary Heat Sink	–	<b>70</b>	KX							
	KBPC Multi-featured packaged SCR drive. Wash-Down duty (IP65/NEMA-4) diecast enclosure. Has acrylic coating and shaft seals for wash-down and wet area applications. Includes short circuit and transient protection, electronic overload protection, armature fusing, LED indicators for Power On, Stop and Current Limit. Trimpot adjustments for, Min/Max speeds, Accel/Decel, Current Limit, IR Comp, and Timed Current Limit Accessories: 9339 Forward/Brake/Reverse Switch. 9340 Run/Stop/Jog Switch. 9341 On/Off ac Line Switch. 9377 Auto/Manual Switch Kit. 9378 Electronic Fwd/Brake/Rev module can be mounted inside and internally connected.	<b>KBPC-240D</b>	120	0-100	0.75	10.2	–	–	NO	<b>335</b>	KB
			240	0-200	1.5	10.2	–	–			
		<b>KBPC-225</b>	240	0-200	2.2	15.0	–	–	NO	<b>352</b>	KB
		<b>9339</b>	Forward/Brake/Reverse Switch (for KBPC-240D only)	–	<b>124</b>	KX					
		<b>9340</b>	Run/Stop/Jog Switch	–	<b>19</b>	KX					
		<b>9341</b>	On/Off ac Line Switch (for KBPC-240D only)	–	<b>19</b>	KX					
		<b>9377</b>	Auto/Manual Switch Kit	–	<b>19</b>	KX					
		<b>9378A</b>	Electronic Fwd/Brake/Rev Module (for KBPC-240D only)	–	<b>183</b>	KX					
		<b>9510</b>	Spare pot kit for KBPC	–	<b>26</b>	KX					
	KBRC-240D Full-Wave 4-Quadrant Regenerative Drive. Wash-Down duty (IP65/NEMA-4) diecast enclosure. For speed or torque control of PM or Shunt wound motors in both directions. Maintains constant speed with overhauling loads and provides instant reversing and controlled braking. Can replace servo drives in many applications. Includes diagnostic LEDs (for Power On, Stop and Overload), a Start/Stop Switch and a Main Speed Potentiometer. Other features include Barrier Terminal Blocks, adjustable trimpots, selectable jumpers and LEDs for easy setup. Accessories: 9485 Forward/Stop/Reverse Switch and regenerative braking. 9486 Power On/Off Switch: Disconnects ac line. 9487 Auto/Manual Switch: Selects signal from either the SIRC or main speed pot. 8842 Signal Isolator (SIRC): Isolates controller from a non-isolated signal source	<b>KBRC-240D</b>	115	0±90	0.75	11	–	–	NO	<b>478</b>	KB
			208/230	0±180	1.5	11	–	–			
			208/230	0±90	0.75	11	–	–			
		<b>9485</b>	Forward/Stop/Reverse Switch and regenerative braking	–	<b>19</b>	KX					
		<b>9486</b>	Power On/Off Switch: Disconnects ac line	–	<b>19</b>	KX					
		<b>9487</b>	Auto/Manual Switch	–	<b>19</b>	KX					
		<b>8842</b>	Signal Isolator (SIRC)	–	<b>189</b>	KX					
	KBPW-240D PWM dc Motor Speed Control. Wash-Down duty (IP65/NEMA-4) diecast enclosure. Speed control for Permanent Magnet and Shunt Wound motors to 7.5amps. Switching frequency greater than 16kHz for high motor efficiency and quiet operation. High max. output voltage for increased motor speed. Auto input voltage sensing. Start/Stop switch and front LEDs for Power/Stop/Overload. Protection includes motor and power transistor short circuit, ac-line inrush current limit. Trimpots for Max. and Min. Speed, Accel and Decel, Timed Current Limit, IR Comp, Jog. Jumper selectable Tacho feedback voltage, motor voltage, current range, timed and non-timed current limits, NC/NO run relay contacts. Field Voltage = 100Vdc for 115Vac input. Field Voltage = 200Vdc for 230Vac input. Accessories: 9339 Provides reversing and dynamic braking. 9340 Selects speed from main pot or JOG trimpot. 9341 Disconnects ac line. 9377 Selects signal from either the KBSI or main speed pot. 9378A Provides electronic braking and instant reversing. KBSI-240D Isolates controller from signal source.	SCR Motor	115	0-130	0.5	7.5	–	–	NO	<b>510</b>	KB
		PWM Motor	115	0-120	0.75	7.5	–	–			
		<b>KBPW-240D</b>									
		SCR Motor	230	0-220	1.0	7.5	–	–			
		PWM Motor	230	0-220	1.5	7.5	–	–			
		<b>9339</b>	Forward/Brake/Reverse Switch (with dynamic braking)	–	<b>124</b>	KX					
		<b>9340</b>	Run/Stop/Jog Switch	–	<b>19</b>	KX					
		<b>9341</b>	On/Off ac Line Switch	–	<b>19</b>	KX					
		<b>9377</b>	Auto/Manual Switch Kit	–	<b>19</b>	KX					
		<b>9378A</b>	Electronic Fwd/Brake/Rev Module	–	<b>183</b>	KX					
<b>KBSI-240D</b>	Signal isolator	–	<b>183</b>	KX							

# Speed Control Related Products

**BALDOR**



## PENTA KB POWER


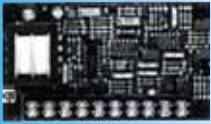


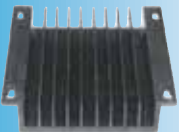










PHOTO	DESCRIPTION	CATALOGUE NUMBER	MODELS WHERE USED							List Price \$	Group			
			KBMM	KBIC	KBCC	KBPB	KBMD	KBPC	KBRG KBMG			KBWD		
	<b>KBSI-240D</b> Signal Isolator. 120/240Vac input. Provides an isolated interface between non-isolated signals and KB motor speed controls. Signal sources include process controllers, transducers, micro-processors and programmable controllers. The maximum output voltage of the KBSI is 10 volts, which is a linear function of the input. The unit is versatile since a single model accepts a wide range of voltage (0-25, 0-120 and 0-550Vdc) and current (1-5, 4-20 and 10-50ma) signals. Multi-turn trim pots are provided for "MIN", "MAX", and "RATIO". 120/240Vac input. 50/60Hz. Dimensions: 36 x 86 x 135mm.	<b>KBSI-240D</b>	✓	✓	✓	✓	✓	✓	✓	✓	<b>183</b>	KX		
	<b>KBET-240D</b> Frequency to Analogue Tachometer and Follower. Designed to accept a pulse input, which is produced by Hall or inductive pickups, and to create two independent isolated output signals. The Tachometer Output is normally used for tachometer feedback. The Follower Output is used to drive a second control in a master/slave system. Two LED's, "Power On" indicates the unit has ac power, and "Pulse" is used to verify the presence of an encoder input. Jumper selections for ac input voltage (120/240 Vac) and the sensor type. Multiturn trim pots are provided for Tachometer Output and Follower Outputs setting. Dimensions: 68 x 122 x 28mm.	<b>KBET-240D</b>	✓		✓				✓	✓	✓	<b>199</b>	KX	
	<b>KBAP-240D</b> Current Sensing Relay/Overload. 120/240Vac input. An electronic dc Current Sensing Relay and Overload Protector for use with motors from .09 – 2.2kW. It can accommodate larger motors with the use of an external shunt. The KBAP contains five preset current trip points which can be further adjusted with a trimpot. The unit also contains adjustments for time delay and hysteresis. An LED indicates when the preset current trip point has been reached. External contacts are provided which can be used to sound an alarm or shut the system down if an overload occurs. Dimensions are 69 x 122 x 28mm.	<b>KBAP-240D</b>	✓	✓	✓	✓			Overload Protection Built-in			<b>121</b>	KX	
	<b>KBEP-240D</b> Electronic Potentiometer. Designed to provide digital type motor speed control. It replaces a standard potentiometer with a set of momentary pushbuttons or membrane switches (customer-supplied) – one to increase speed ("up") and the other to decrease speed ("down"). Separate meter output that can be used to operate a digital or analog meter. The meter scale can be calibrated to desired units with the built-in meter scale trimpot. The Min and Max trim pots are used to set the range of motor output speed. Can be used as a master potentiometer. Connects to F+ and F- on control for power input. Dimensions: 68 x 122 x 28mm.	<b>KBEP-240D</b>	✓	✓	✓	✓			✓	✓	✓	<b>69</b>	KX	
	<b>Auxiliary Heatsink.</b> Used to double the rating of several KB control models. It is constructed of black anodised aluminium and has keyhole slots to facilitate mounting. When used with the KBIC™ models, the Auxiliary Heatsink has provision for mounting the Barrier Terminal Accessory Kit. Dimensions: 178H x 159W x 35Dmm.	<b>9861</b>	✓	✓		✓	✓					<b>70</b>	KX	
	<b>KBIC™ and KBMM™ Barrier Terminal Boards.</b> Easily convert a standard control with quick-connect terminals to barrier terminals. Provision is made for ac line and armature fusing. The Barrier Terminal Board installs directly over the control by mating the Q-D terminals. A separate .110" jumper wire can be used to connect the I1 inhibit terminal or, on the KBMM™, to the T or B terminals which are used for tack feedback. (Refer to KBMM Instruction Manual.) Fuses supplied separately. 9443 is a Barrier Terminal Board for the KBIC™ with SI-5 built-in 0-10V signal isolator with min. and max. trimpot adjustment. 9444 with SI-6 provides the same features for the KBMM™.	<b>9884</b>		✓								<b>26</b>	KX	
		<b>9897</b>	✓										<b>26</b>	KX
		<b>9443 (KBSI-5)</b>		✓									<b>153</b>	KX
		<b>9444 (KBSI-6)</b>	✓										<b>153</b>	KX
	<b>Barrier Terminal Accessory Kit.</b> Converts a KBIC™ from 1/4" Q-D to barrier terminals. It installs easily with its preformed wiring harness and is compatible with the auxiliary heat sink. The Kit also contains built-in ac line and armature fuse blocks with fuses. The 9883 Kit is designed to adapt to the KBMM controller and does not include the fuse blocks as these are built onto the KBMM board.	<b>9863</b>		✓								<b>50</b>	KX	
		<b>9883</b>	✓									<b>41</b>	KX	
	<b>Potentiometer Kit.</b> Main speed control potentiometer. Potentiometer Kit consists of a rugged wire wound linear ohm potentiometer with mounting hardware and front panel insulator.	<b>9831</b>	✓	✓	✓	✓				✓	✓	<b>13</b>	KX	
		<b>9111</b>	✓	✓	✓	✓				✓	✓	<b>11</b>	KX	



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			KBMM	KBIC	KBCC	KBPD	KBMD	KBPC	KBRG			KBWD
	Knob/Dial Kit. Knob is black with aluminium insert and pointer. Contains double setscrews for secure attachment to all KB potentiometers with 1/4" (6mm) shafts. Dial Plate is black anodised .040" aluminium with 3/8" (9.5mm) mounting hole. Dimensions: Knob: 29D x 17.5Hmm Dial Plate: 57W x 52mmH.	9832	✓	✓	✓	✓			✓	✓	8	KX
	Forward-Brake-Reverse Switch Kit. This completely wired assembly consists of a heavy-duty reversing switch and a 10 ohm-50W braking resistor. The switch contains an additional set of contacts used for Inhibit™ and dynamic brake.	9860						✓			124	KX
	SI-3 Signal Isolator The SI-3 converts contact reversing on KBPB and KBCC-R models to 5-10 Vdc switching.	9447			✓	✓					40	KX
	Armature Choke (18amps) For SCR and PWM dc drives. Wired in series with motor armature to provide EMI protection. Also effective in series with ac input.	9993	✓	✓	✓	✓	✓	✓	✓	✓	25	KX
	KBRF-200A EMC/EMI Filter	9945C	For use with 'CE' rated ac or dc Controls.							60	KX	
	KBRF-300 EMC/EMI Filter	9484	For use with ac Variable Frequency Controls.							133	KX	
	KBRF-250 EMC/EMI Filter		Class A Industrial							117	KX	
Used to suppress electronic interference caused by motor speed controls. Most speed controls utilise SCR's or IGBT's that switch rapidly causing high frequency interference pulses. KBRF-200A is an EMC/EMI filter designed for use with 'CE' rated KB motor speed controls. When installed in accordance with manufacturers instructions the motor speed control will comply with 'CE' 89/336/EEC relating to EMC. Rating 24 amps ac max, 120/240Vac 50/60Hz. Frequency range 9kHz – 30MHz. Earth Leakage 2.0mA @ 250Vac/50Hz. KBRF-300 is an EMC/EMI filter designed for ac variable frequency drives. Complies with CE.												
	Plug-in Horsepower Resistor® required on all Speed Controls except KBCC-255, KBRG, KBMG and KBPC	ARMATURE 90 - 130 Vdc MOTOR kW	ARMATURE 180 Vdc MOTOR kW	RESISTOR VALUE OHMS	CATALOGUE NUMBER	INDIVIDUAL LIST PRICE \$each	Box Lots (50/box) LIST PRICE \$each	Group				
		.0075 — .015	.015 — .03	1.0	9833	2.70	2.00	KX				
		.015 — .025	.03 — .05	.51	9834	2.70	2.00	KX				
		.025 — .037	.05 — .075	.35	9835	2.70	2.00	KX				
		.037 — .063	.075 — .13	.25	9836	2.70	2.00	KX				
		.063 — .094	.13 — .19	.18	9837	2.70	2.00	KX				
		.094 — .15	.19 — .25	.10	9838	2.70	2.00	KX				
		.19	.37	.05	9839	2.70	2.00	KX				
		.25	.56	.035	9840	2.70	2.00	KX				
		.37	.75	.025	9841	2.70	2.00	KX				
	.56	1.1	.015	9842	2.70	2.00	KX					
	.75	1.5	.01	9843	2.70	2.00	KX					
	1.1	2.2	.006	9850	2.70	2.00	KX					
	A fuse is required on all KB Speed Controllers except KBCC-255	ARMATURE 90 Vdc MOTOR kW	ARMATURE 180 Vdc MOTOR kW	APPROXIMATE MOTOR dc AMPS	FUSE RATING ac AMPS	INDIVIDUAL CATALOGUE NUMBER	INDIVIDUAL LIST PRICE \$each	Box Lots (100/box) LIST PRICE \$each	Group			
		.025	.05	.33	.5	9736	1.40	0.85	KX			
		.037	.075	.5	.75	9737	1.40	0.85	KX			
		.05	.094	.65	1.0	9738	1.40	0.85	KX			
		.063	.125	.85	1.25	9739	1.40	0.85	KX			
		.094	.19	1.3	2.0	9740	1.40	0.85	KX			
		.125	.25	1.7	2.5	9741	1.40	0.85	KX			
		.19	.37	2.5	4.0	9742	1.90	1.14	KX			
		.25	.56	3.3	5.0	9743	1.90	1.14	KX			
		.37	.75	5.0	8.0	9744	2.25	1.35	KX			
	.56	1.1	7.5	12.0	9745	3.50	2.15	KX				
	.75	1.5	10.0	15.0	9746	3.50	2.15	KX				
	1.1	2.2	15.0	25.0	9747	3.50	2.15	KX				
	700 Piece Master Fuse Kit.				9870		984	KX				
An assortment of 12 different fuse ratings which have been selected to offer protection for dc motors and controls from .025kW to 2.2kW. The Kit contains 50 each of .5, .75, 1, 1.25, 2, 2.5, 4, 5, 8, and 15 amp fuses plus 100 each of 12 and 25 amp fuses, totalling 700 pieces. The fuses are presented in a convenient, high impact plastic parts box with separate compartments. All fuses are available in 100 quantity reorder bulk packs as shown above.												