

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC DIGITAL POSITIONERS</b>						<b>DC DIGITAL POSITIONERS</b>			
		<b>STANDARD</b>						<b>STANDARD</b>			
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-300	12VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100 OTX-101	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100 OTR-101	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100 OCM-102 (7)
	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100 OTX-101	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100 OTR-101	DHC-400 MKT-122 POT-102 EXE-100 2/EEF-100 OCM-102 (7)
	115VAC	DHC-100 MKT-122 POT-102 EXE-100 2/EEF-100	DHC-100 MKT-122 POT-102 EXE-100 2/EEF-100 OTX-100	DHC-100 MKT-122 POT-102 EXE-100 2/EEF-100 OTR-100	DHC-100 MKT-122 POT-102 EXE-100 2/EEF-100 OTX-101	DHC-100 MKT-122 POT-102 EXE-100 2/EEF-100 OTR-101	DHC-100 MKT-122 POT-102 EXE-100 2/EEF-100 OCM-102 (7)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-122 POT-102 EXE-100 2/EEF-100	DHC-100A MKT-122 POT-102 EXE-100 2/EEF-100 OTX-100	DHC-100A MKT-122 POT-102 EXE-100 2/EEF-100 OTR-100	DHC-100A MKT-122 POT-102 EXE-100 2/EEF-100 OTX-101	DHC-100A MKT-122 POT-102 EXE-100 2/EEF-100 OTR-101	DHC-100A MKT-122 POT-102 EXE-100 2/EEF-100 OCM-102 (7)	_____	_____	_____	_____

<b>BETTIS</b>  <i>(See General Notes and Footnotes on Page 24)</i>		<b>MULTITURN</b>										
		<b>AC DIGITAL POSITIONERS (STANDARD)</b>						<b>DC DIGITAL POSITIONERS (STANDARD)</b>				
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)				
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-300	12VDC	_____	_____	_____	_____	_____	_____	_____	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 (1)	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 OTX-101 (1)	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 OTR-101 (1)	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 OCM-102 (1) (7)
	24VDC	_____	_____	_____	_____	_____	_____	_____	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 (1)	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 OTX-101 (1)	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 OTR-101 (1)	DHC-400 MKT-122 POT-104 EXE-100 2/EEF-100 OCM-102 (1) (7)
	115VAC	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 (1)	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 (1)	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 OTR-100 (1)	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 OTX-101 (1)	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 OTR-101 (1)	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 OTR-101 (1)	DHC-100 MKT-122 POT-104 EXE-100 2/EEF-100 OCM-102 (1) (7)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 (1)	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 OTX-100 (1)	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 OTR-100 (1)	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 OTX-101 (1)	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 OTR-101 (1)	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 OTR-101 (1)	DHC-100A MKT-122 POT-104 EXE-100 2/EEF-100 OCM-102 (1) (7)	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC ANALOG POSITIONERS</b>											
		<b>STANDARD</b>						<b>MINIATURE</b>					
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer		
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-300	12VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	24VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	115VAC	AMC-100A MKT-122 POT-102 EXE-100 2/EEF-100	AMC-100A MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105	AMC-100A MKT-122 POT-102 EXE-100 2/EEF-100 XMA-106	N/A	N/A	N/A	AMC-103 MKT-122 POT-102	AMC-103 MKT-122 POT-102 XMA-105	AMC-103 MKT-122 POT-102 XMA-106	N/A	N/A	N/A
	230VAC	AMC-100C MKT-122 POT-102 EXE-100 2/EEF-100	AMC-100C MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105	AMC-100C MKT-122 POT-102 EXE-100 2/EEF-100 XMA-106	N/A	N/A	N/A	AMC-103A MKT-122 POT-102	AMC-103A MKT-122 POT-102 XMA-105	AMC-103A MKT-122 POT-102 XMA-106	N/A	N/A	N/A

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC LOG RATE POSITIONERS</b>			<b>DC ANALOG POSITIONERS</b>					
		<b>STANDARD</b>			<b>STANDARD</b>				<b>MINIATURE</b>	
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108)			<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V includes selectable Log Rate function 0-135 ohm Slide Wire (add XMA-108)				<b>Command Signal</b> 4-20mA Only	
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>without Current Trip</b>		<b>with Current Trip</b>		<b>without Current Trip</b>	
					<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-300	12VDC	_____	_____	_____	DMC-102 MKT-122 POT-102 EXE-100 2/EEF-100	DMC-102 MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105 (4)	DMC-102A MKT-122 POT-102 EXE-100 2/EEF-100	DMC-102A MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105 (4)	DMC-101 MKT-122 POT-102	DMC-101 MKT-122 POT-102 XMA-105
	24VDC	_____	_____	_____	DMC-102 MKT-122 POT-102 EXE-100 2/EEF-100	DMC-102 MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105 (4)	DMC-102A MKT-122 POT-102 EXE-100 2/EEF-100	DMC-102A MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105 (4)	DMC-101 MKT-122 POT-102	DMC-101 MKT-122 POT-102 XMA-105
	115VAC	LRC-101A,G MKT-122 POT-102 EXE-100 2/EEF-100	LRC-101A,G MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105 (4)	LRC-101A,G MKT-122 POT-102 EXE-100 2/EEF-100 XMA-106 (4)	_____	_____	_____	_____	_____	_____
	230VAC	LRC-101B,H MKT-122 POT-102 EXE-100 2/EEF-100	LRC-101B,H MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105 (4)	LRC-101B,H MKT-122 POT-102 EXE-100 2/EEF-100 XMA-106 (4)	_____	_____	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>ON/OFF APPLICATIONS</b>								<b>TIMER ONLY APPLICATIONS</b>			
		<b>AC STANDARD</b>			<b>DC STANDARD</b>				<b>AC or DC</b>	<b>AC Repeat Cycle Timers</b>	<b>MINIATURE</b>		
		<b>Control Signal</b> 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer			<b>Control Signal</b> 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer		<b>Control Signal</b> 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer with Adjustable Current Trip		<b>Motor Converter Module</b>		<b>AC Sequence Timers</b>	<b>DC Sequence Timers</b>	
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	
EM-300	12VDC	_____	_____	_____	DMI-100 EXE-100 2/EEF-100	DMI-100 MKT-122 POT-102 XMA-105 EXE-100 2/EEF-100	DMI-100A EXE-100 2/EEF-100	DMI-100A MKT-122 POT-102 XMA-105 EXE-100 2/EEF-100	N/A	_____	_____	DST-100 MKT-122	
	24VDC	_____	_____	_____	DMI-100 EXE-100 2/EEF-100	DMI-100 MKT-122 POT-102 XMA-105 EXE-100 2/EEF-100	DMI-100A EXE-100 2/EEF-100	DMI-100A MKT-122 POT-102 XMA-105 EXE-100 2/EEF-100	N/A	_____	_____	DST-100A MKT-122	
	115VAC	AMI-103 EXE-100 2/EEF-100	AMI-103 MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105	AMI-103 MKT-122 POT-102 EXE-100 2/EEF-100 XMA-106	_____	_____	_____	_____	_____	N/A	AST-100 MKT-122	_____	
	230VAC	AMI-103A EXE-100 2/EEF-100	AMI-103A MKT-122 POT-102 EXE-100 2/EEF-100 XMA-105	AMI-103A MKT-122 POT-102 EXE-100 2/EEF-100 XMA-106	_____	_____	_____	_____	_____	N/A	AST-100A MKT-122	_____	

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>FEEDBACK SIGNAL ONLY APPLICATIONS</b>					
		1K Ohm Feedback Pot Only	4-20mA Feedback (2-wire)	4-20mA Feedback (3-wire)	4-20mA Feedback Powered	0-5V 0-10V Feedback (3-wire)	0-5V 0-10V Feedback Powered
Actuator Model	Power Source	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
EM-300	12VDC	MKT-122 POT-102	MKT-122 POT-102 XMA-107	MKT-122 POT-102 XMA-105	_____	MKT-122 POT-102 XMA-106	_____
	24VDC	MKT-122 POT-102	MKT-122 POT-102 XMA-107	MKT-122 POT-102 XMA-105	_____	MKT-122 POT-102 XMA-106	_____
	115VAC	MKT-122 POT-102	MKT-122 POT-102 XMA-107	MKT-122 POT-102 XMA-105	MKT-122 POT-102 XMA-105 EXE-100 2/EEF-100 PWR-102	MKT-122 POT-102 XMA-106	MKT-122 POT-102 XMA-106 EXE-100 2/EEF-100 PWR-102
	230VAC	MKT-122 POT-102	MKT-122 POT-102 XMA-107	MKT-122 POT-102 XMA-105	MKT-122 POT-102 XMA-105 EXE-100 2/EEF-100 PWR-102A	MKT-122 POT-102 XMA-106	MKT-122 POT-102 XMA-106 EXE-100 2/EEF-100 PWR-102A

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC DIGITAL POSITIONERS</b>						<b>DC DIGITAL POSITIONERS</b>			
		<b>STANDARD</b>						<b>STANDARD</b>			
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-500 EM-510 EM-520	12VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-139 POT-102 (2)	DHC-400 MKT-139 POT-102 OTX-101 (2)	DHC-400 MKT-139 POT-102 OTR-101 (2)	DHC-400 MKT-139 POT-102 OCM-102 (2) (7)
	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-139 POT-102 (2)	DHC-400 MKT-139 POT-102 OTX-101 (2)	DHC-400 MKT-139 POT-102 OTR-101 (2)	DHC-400 MKT-139 POT-102 OCM-102 (2) (7)
	24VAC (order 24VDC Motor)	ADM-100 DHC-100B MKT-139 POT-102 POT-102 (2) (6)	ADM-100 DHC-100B MKT-139 POT-102 OTX-100 (2) (6)	ADM-100 DHC-100B MKT-139 POT-102 OTR-100 (2) (6)	ADM-100 DHC-100B MKT-139 POT-102 OTX-101 (2) (6)	ADM-100 DHC-100B MKT-139 POT-102 OTR-101 (2) (6)	ADM-100 DHC-100B MKT-139 POT-102 OCM-102 (2) (6) (7)	_____	_____	_____	_____
	115VAC	DHC-100 MKT-139 POT-102 (2)	DHC-100 MKT-139 POT-102 OTX-100 (2)	DHC-100 MKT-139 POT-102 OTR-100 (2)	DHC-100 MKT-139 POT-102 OTX-101 (2)	DHC-100 MKT-139 POT-102 OTR-101 (2)	DHC-100 MKT-139 POT-102 OCM-102 (2) (7)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-139 POT-102 (2)	DHC-100A MKT-139 POT-102 OTX-100 (2)	DHC-100A MKT-139 POT-102 OTR-100 (2)	DHC-100A MKT-139 POT-102 OTX-101 (2)	DHC-100A MKT-139 POT-102 OTR-101 (2)	DHC-100A MKT-139 POT-102 OCM-102 (2) (7)	_____	_____	_____	_____

<b>BETTIS</b>  <i>(See General Notes and Footnotes on Page 24)</i>		<b>MULTITURN</b>									
		<b>AC DIGITAL POSITIONERS (STANDARD)</b>						<b>DC DIGITAL POSITIONERS (STANDARD)</b>			
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-500 EM-510 EM-520	12VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-xxx POT-xxx (2) (8)	DHC-400 MKT-xxx POT-xxx OTX-101 (2) (8)	DHC-400 MKT-xxx POT-xxx OTR-101 (2) (8)	DHC-400 MKT-xxx POT-xxx OCM-102 (2) (7) (8)
	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-xxx POT-xxx (2) (8)	DHC-400 MKT-xxx POT-xxx OTX-101 (2) (8)	DHC-400 MKT-xxx POT-xxx OTR-101 (2) (8)	DHC-400 MKT-xxx POT-xxx OCM-102 (2) (7) (8)
	24VAC (order 24VDC Motor)	ADM-100 DHC-100B MKT-xxx POT-xxx OTX-100 (2) (6) (8)	ADM-100 DHC-100B MKT-xxx POT-xxx OTX-100 (2) (6) (8)	ADM-100 DHC-100B MKT-xxx POT-xxx OTR-100 (2) (6) (8)	ADM-100 DHC-100B MKT-xxx POT-xxx OTX-101 (2) (6) (8)	ADM-100 DHC-100B MKT-xxx POT-xxx OTR-101 (2) (6) (8)	ADM-100 DHC-100B MKT-xxx POT-xxx OCM-102 (2) (6) (7) (8)	_____	_____	_____	_____
	115VAC	DHC-100 MKT-xxx POT-xxx (2) (8)	DHC-100 MKT-xxx POT-xxx OTX-100 (2) (8)	DHC-100 MKT-xxx POT-xxx OTR-100 (2) (8)	DHC-100 MKT-xxx POT-xxx OTX-101 (2) (8)	DHC-100 MKT-xxx POT-xxx OTR-101 (2) (8)	DHC-100 MKT-xxx POT-xxx OCM-102 (2) (7) (8)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-xxx POT-xxx (2) (8)	DHC-100A MKT-xxx POT-xxx OTX-100 (2) (8)	DHC-100A MKT-xxx POT-xxx OTR-100 (2) (8)	DHC-100A MKT-xxx POT-xxx OTX-101 (2) (8)	DHC-100A MKT-xxx POT-xxx OTR-101 (2) (8)	DHC-100A MKT-xxx POT-xxx OCM-102 (2) (7) (8)	_____	_____	_____	_____



<b>BETTIS</b>  <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC ANALOG POSITIONERS</b>												
		<b>STANDARD</b>						<b>MINIATURE</b>						
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	
EM-500 EM-510 EM-520	12VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
	24VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
	24VAC (order 24VDC Motor)	ADM-100 AMC-101E MKT-139 POT-102 (2) (6)	ADM-100 AMC-101E MKT-139 POT-102 XMA-105 (2) (6)	ADM-100 AMC-101E MKT-139 POT-102 XMA-106 (2) (6)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	115VAC	AMC-100A MKT-139 POT-102 (2)	AMC-100A MKT-139 POT-102 XMA-105 (2)	AMC-100A MKT-139 POT-102 XMA-106 (2)	N/A	N/A	N/A	AMC-103 MKT-139 POT-102 (2)	AMC-103 MKT-139 POT-102 XMA-105 (2)	AMC-103 MKT-139 POT-102 XMA-106 (2)	N/A	N/A	N/A	
	230VAC	AMC-100C MKT-139 POT-102 (2)	AMC-100C MKT-139 POT-102 XMA-105 (2)	AMC-100C MKT-139 POT-102 XMA-106 (2)	N/A	N/A	N/A	AMC-103A MKT-139 POT-102 (2)	AMC-103A MKT-139 POT-102 XMA-105 (2)	AMC-103A MKT-139 POT-102 XMA-106 (2)	N/A	N/A	N/A	

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		AC LOG RATE POSITIONERS			DC ANALOG POSITIONERS					
		STANDARD			STANDARD				MINIATURE	
		Command Signal 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108)			Command Signal 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V includes selectable Log Rate function 0-135 ohm Slide Wire (add XMA-108)				Command Signal 4-20mA Only	
Actuator Model	Power Source	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal 0-5V 0-10V	without Current Trip		with Current Trip		without Current Trip	
		Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal None	Feedback Signal 4-20mA	
		Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
EM-500 EM-510 EM-520	12VDC	_____	_____	_____	DMC-102 MKT-139 POT-102 (2)	DMC-102 MKT-139 POT-102 XMA-105 (2)	DMC-102A MKT-139 POT-102 (2)	DMC-102A MKT-139 POT-102 XMA-105 (2)	N/A	N/A
	24VDC	_____	_____	_____	DMC-102 MKT-139 POT-102 (2)	DMC-102 MKT-139 POT-102 XMA-105 (2)	DMC-102A MKT-139 POT-102 (2)	DMC-102A MKT-139 POT-102 XMA-105 (2)	N/A	N/A
	24VAC (order 24VDC Motor)	ADM-100 LRC-101C,I MKT-139 POT-102 (2) (6)	ADM-100 LRC-101C,I MKT-139 POT-102 XMA-105 (2) (6)	ADM-100 LRC-101C,I MKT-139 POT-102 XMA-106 (2) (6)	_____	_____	_____	_____	_____	_____
	115VAC	LRC-101A,G MKT-139 POT-102 (2)	LRC-101A,G MKT-139 POT-102 XMA-105 (2)	LRC-101A,G MKT-139 POT-102 XMA-106 (2)	_____	_____	_____	_____	_____	_____
	230VAC	LRC-101B,H MKT-139 POT-102 (2)	LRC-101B,H MKT-139 POT-102 XMA-105 (2)	LRC-101B,H MKT-139 POT-102 XMA-106 (2)	_____	_____	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		ON/OFF APPLICATIONS								TIMER ONLY APPLICATIONS			
		AC STANDARD			DC STANDARD				AC or DC	Motor Converter Module	AC Repeat Cycle Timers	MINIATURE	
		Control Signal 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer			Control Signal 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer		Control Signal 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer with Adjustable Current Trip					AC Sequence Timers	DC Sequence Timers
Actuator Model	Power Source	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal 0-5V 0-10V	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal None	Feedback Signal 4-20mA	Order Parts	Order Parts	Order Parts	Order Parts	
		Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	
EM-500 EM-510 EM-520	12VDC	_____	_____	_____	DMI-100 MKT-139 (2)	DMI-100 MKT-139 POT-102 XMA-105 (2)	DMI-100A MKT-139 (2)	DMI-100A MKT-139 POT-102 XMA-105 (2)	ADM-101	_____	_____	N/A	
	24VDC	_____	_____	_____	DMI-100 MKT-139 (2)	DMI-100 MKT-139 POT-102 XMA-105 (2)	DMI-100A MKT-139 (2)	DMI-100A MKT-139 POT-102 XMA-105 (2)	ADM-100	_____	_____	N/A	
	24VAC (order 24VDC Motor)	ADM-100 AMI-103B MKT-139 (2) (6)	ADM-100 AMI-103B MKT-139 POT-102 XMA-105 (2) (6)	ADM-100 AMI-103B MKT-139 POT-102 XMA-106 (2) (6)	_____	_____	_____	_____	ADM-100	ADM-100 RCT-101B (6)	N/A	_____	
	115VAC	AMI-103 MKT-139 (2)	AMI-103 MKT-139 POT-102 XMA-105 (2)	AMI-103 MKT-139 POT-102 XMA-106 (2)	_____	_____	_____	_____	_____	RCT-101	AST-100 MKT-139 (2)	_____	
	230VAC	AMI-103A MKT-139 (2)	AMI-103A MKT-139 POT-102 XMA-105 (2)	AMI-103A MKT-139 POT-102 XMA-106 (2)	_____	_____	_____	_____	_____	RCT-101A	AST-100A MKT-139 (2)	_____	

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>FEEDBACK SIGNAL ONLY APPLICATIONS</b>					
		<b>1K Ohm Feedback Pot Only</b>	<b>4-20mA Feedback (2-wire)</b>	<b>4-20mA Feedback (3-wire)</b>	<b>4-20mA Feedback Powered</b>	<b>0-5V 0-10V Feedback (3-wire)</b>	<b>0-5V 0-10V Feedback Powered</b>
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
<b>Actuator Model</b>	<b>Power Source</b>						
EM-500 EM-510 EM-520	12VDC	MKT-139 POT-102 (2)	MKT-139 POT-102 XMA-107 (2)	MKT-139 POT-102 XMA-105 (2)	—————	MKT-139 POT-102 XMA-106 (2)	—————
	24VDC	MKT-139 POT-102 (2)	MKT-139 POT-102 XMA-107 (2)	MKT-139 POT-102 XMA-105 (2)	—————	MKT-139 POT-102 XMA-106 (2)	—————
	24VAC (order 24VDC Motor)	ADM-100 MKT-139 POT-102 (2)	ADM-100 MKT-139 POT-102 XMA-107 (2)	ADM-100 MKT-139 POT-102 XMA-105 (2)	N/A	ADM-100 MKT-139 POT-102 XMA-106 (2)	N/A
	115VAC	MKT-139 POT-102 (2)	MKT-139 POT-102 XMA-107 (2)	MKT-139 POT-102 XMA-105 (2)	MKT-139 POT-102 XMA-105 PWR-102 (2)	MKT-139 POT-102 XMA-106 (2)	MKT-139 POT-102 XMA-106 PWR-102 (2)
	230VAC	MKT-139 POT-102 (2)	MKT-139 POT-102 XMA-107 (2)	MKT-139 POT-102 XMA-105 (2)	MKT-139 POT-102 XMA-105 PWR-102A (2)	MKT-139 POT-102 XMA-106 (2)	MKT-139 POT-102 XMA-106 PWR-102A (2)

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC DIGITAL POSITIONERS</b>						<b>DC DIGITAL POSITIONERS</b>			
		<b>STANDARD</b>						<b>STANDARD</b>			
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-810 EM-820 EM-830 EM-840	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-140 POT-102 (3)	DHC-400 MKT-140 POT-102 OTX-101 (3)	DHC-400 MKT-140 POT-102 OTR-101 (3)	DHC-400 MKT-140 POT-102 OCM-102 (3) (7)
	115VAC	DHC-100 MKT-140 POT-102 (3)	DHC-100 MKT-140 POT-102 OTX-100 (3)	DHC-100 MKT-140 POT-102 OTR-100 (3)	DHC-100 MKT-140 POT-102 OTX-101 (3)	DHC-100 MKT-140 POT-102 OTR-101 (3)	DHC-100 MKT-140 POT-102 OCM-102 (3) (7)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-140 POT-102 (3)	DHC-100A MKT-140 POT-102 OTX-100 (3)	DHC-100A MKT-140 POT-102 OTR-100 (3)	DHC-100A MKT-140 POT-102 OTX-101 (3)	DHC-100A MKT-140 POT-102 OTR-101 (3)	DHC-100A MKT-140 POT-102 OCM-102 (3) (7)	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>MULTITURN</b>									
		<b>AC DIGITAL POSITIONERS (STANDARD)</b>						<b>DC DIGITAL POSITIONERS (STANDARD)</b>			
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-810 EM-820 EM-830 EM-840	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-xxx POT-xxx (5) (9)	DHC-400 MKT-xxx POT-xxx OTX-101 (5) (9)	DHC-400 MKT-xxx POT-xxx OTR-101 (5) (9)	DHC-400 MKT-xxx POT-xxx OCM-102 (5) (7) (9)
	115VAC	DHC-100 MKT-xxx POT-xxx (5) (9)	DHC-100 MKT-xxx POT-xxx OTX-100 (5) (9)	DHC-100 MKT-xxx POT-xxx OTR-100 (5) (9)	DHC-100 MKT-xxx POT-xxx OTX-101 (5) (9)	DHC-100 MKT-xxx POT-xxx OTR-101 (5) (9)	DHC-100 MKT-xxx POT-xxx OCM-102 (5) (7) (9)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-xxx POT-xxx (5) (9)	DHC-100A MKT-xxx POT-xxx OTX-100 (5) (9)	DHC-100A MKT-xxx POT-xxx OTR-100 (5) (9)	DHC-100A MKT-xxx POT-xxx OTX-101 (5) (9)	DHC-100A MKT-xxx POT-xxx OTR-101 (5) (9)	DHC-100A MKT-xxx POT-xxx OCM-102 (5) (7) (9)	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC ANALOG POSITIONERS</b>											
		<b>STANDARD</b>						<b>MINIATURE</b>					
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer		
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-810 EM-820 EM-830 EM-840	24VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	115VAC	AMC-101A MKT-140 POT-102 (3)	AMC-101A MKT-140 POT-102 XMA-105 (3)	AMC-101A MKT-140 POT-102 XMA-106 (3)	AMC-101A MKT-140 POT-102 RCT-101 (3)	AMC-101A MKT-140 POT-102 XMA-105 RCT-101 (3)	AMC-101A MKT-140 POT-102 XMA-106 RCT-101 (3)	N/A	N/A	N/A	N/A	N/A	N/A
	230VAC	AMC-101C MKT-140 POT-102 (3)	AMC-101C MKT-140 POT-102 XMA-105 (3)	AMC-101C MKT-140 POT-102 XMA-106 (3)	AMC-101C MKT-140 POT-102 RCT-101A (3)	AMC-101C MKT-140 POT-102 XMA-105 RCT-101A (3)	AMC-101C MKT-140 POT-102 XMA-106 RCT-101A (3)	N/A	N/A	N/A	N/A	N/A	N/A

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC LOG RATE POSITIONERS</b>			<b>DC ANALOG POSITIONERS</b>					
		<b>STANDARD</b>			<b>STANDARD</b>				<b>MINIATURE</b>	
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108)			<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V includes selectable Log Rate function 0-135 ohm Slide Wire (add XMA-108)				<b>Command Signal</b> 4-20mA Only	
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>without Current Trip</b>		<b>with Current Trip</b>		<b>without Current Trip</b>	
					<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
	24VDC	_____	_____	_____	DMC-102 MKT-140 POT-102 (3)	DMC-102 MKT-140 POT-102 XMA-105 (3)	DMC-102A MKT-140 POT-102 (3)	DMC-102A MKT-140 POT-102 XMA-105 (3)	N/A	N/A
EM-810 EM-820 EM-830 EM-840	115VAC	LRC-101A,G MKT-140 POT-102 (3)	LRC-101A,G MKT-140 POT-102 XMA-105 (3)	LRC-101A,G MKT-140 POT-102 XMA-106 (3)	_____	_____	_____	_____	_____	_____
	230VAC	LRC-101B,H MKT-140 POT-102 (3)	LRC-101B,H MKT-140 POT-102 XMA-105 (3)	LRC-101B,H MKT-140 POT-102 XMA-106 (3)	_____	_____	_____	_____	_____	_____



<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		ON/OFF APPLICATIONS								TIMER ONLY APPLICATIONS			
		AC STANDARD			DC STANDARD				AC or DC	AC Repeat Cycle Timers	MINIATURE		
		Control Signal 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer			Control Signal 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer		Control Signal 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer with Adjustable Current Trip		Motor Converter Module		AC Sequence Timers	DC Sequence Timers	
Actuator Model	Power Source	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal 0-5V 0-10V	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal None	Feedback Signal 4-20mA		Order Parts	Order Parts	Order Parts	Order Parts
		Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	
EM-810 EM-820 EM-830 EM-840	24VDC	_____	_____	_____	DMI-100 MKT-140 (3)	DMI-100 MKT-140 POT-102 XMA-105 (3)	DMI-100A MKT-140 (3)	DMI-100A MKT-140 POT-102 XMA-105 (3)	N/A	_____	_____	N/A	
	115VAC	AMI-103 MKT-140 (3)	AMI-103 MKT-140 POT-102 XMA-105 (3)	AMI-103 MKT-140 POT-102 XMA-106 (3)	_____	_____	_____	_____	_____	RCT-101	N/A	_____	
	230VAC	AMI-103A MKT-140 (3)	AMI-103A MKT-140 POT-102 XMA-105 (3)	AMI-103A MKT-140 POT-102 XMA-106 (3)	_____	_____	_____	_____	_____	RCT-101A	N/A	_____	

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>FEEDBACK SIGNAL ONLY APPLICATIONS</b>					
		1K Ohm Feedback Pot Only	4-20mA Feedback (2-wire)	4-20mA Feedback (3-wire)	4-20mA Feedback Powered	0-5V 0-10V Feedback (3-wire)	0-5V 0-10V Feedback Powered
Actuator Model	Power Source	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
		EM-810 EM-820 EM-830 EM-840	24VDC	MKT-140 POT-102 (3)	MKT-140 POT-102 XMA-107 (3)	MKT-140 POT-102 XMA-105 (3)	_____
115VAC	MKT-140 POT-102 (3)		MKT-140 POT-102 XMA-107 (3)	MKT-140 POT-102 XMA-105 (3)	MKT-140 POT-102 XMA-105 PWR-102 (3)	MKT-140 POT-102 XMA-106 (3)	MKT-140 POT-102 XMA-106 PWR-102 (3)
230VAC	MKT-140 POT-102 (3)		MKT-140 POT-102 XMA-107 (3)	MKT-140 POT-102 XMA-105 (3)	MKT-140 POT-102 XMA-105 PWR-102A (3)	MKT-140 POT-102 XMA-106 (3)	MKT-140 POT-102 XMA-106 PWR-102A (3)

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC DIGITAL POSITIONERS</b>						<b>DC DIGITAL POSITIONERS</b>			
		<b>STANDARD</b>						<b>STANDARD</b>			
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-SR5	115VAC	DHC-100 MKT-146 RLY-100 POT-102	DHC-100 MKT-146 RLY-100 POT-102 OTX-100	DHC-100 MKT-146 RLY-100 POT-102 OTR-100	DHC-100 MKT-146 RLY-100 POT-102 OTX-101	DHC-100 MKT-146 RLY-100 POT-102 OTR-101	DHC-100 MKT-146 RLY-100 POT-102 OCM-102 (7)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-146 RLY-102 POT-102	DHC-100A MKT-146 RLY-102 POT-102 OTX-100	DHC-100A MKT-146 RLY-102 POT-102 OTR-100	DHC-100A MKT-146 RLY-102 POT-102 OTX-101	DHC-100A MKT-146 RLY-102 POT-102 OTR-101	DHC-100A MKT-146 RLY-102 POT-102 OCM-102 (7)	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>MULTITURN</b>									
		<b>AC DIGITAL POSITIONERS (STANDARD)</b>					<b>DC DIGITAL POSITIONERS (STANDARD)</b>				
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)					<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)				
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> mA VDC	<b>Feedback Signal</b> mA VDC Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated	<b>Feedback Signal</b> 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	<b>Feedback Signal</b> Modbus
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-SR5	115VAC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	230VAC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC ANALOG POSITIONERS</b>											
		<b>STANDARD</b>						<b>MINIATURE</b>					
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V			<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer		
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-SR5	115VAC	AMC-100A MKT-146 RLY-100 POT-102	AMC-100A MKT-146 RLY-100 POT-102 XMA-105	AMC-100A MKT-146 RLY-100 POT-102 XMA-106	N/A	N/A	N/A	AMC-103 MKT-146 RLY-100 POT-102	AMC-103 MKT-146 RLY-100 POT-102 XMA-105	AMC-103 MKT-146 RLY-100 POT-102 XMA-106	N/A	N/A	N/A
	230VAC	AMC-100C MKT-146 RLY-102 POT-102	AMC-100C MKT-146 RLY-102 POT-102 XMA-105	AMC-100C MKT-146 RLY-102 POT-102 XMA-106	N/A	N/A	N/A	AMC-103A MKT-146 RLY-102 POT-102	AMC-103A MKT-146 RLY-102 POT-102 XMA-105	AMC-103A MKT-146 RLY-102 POT-102 XMA-106	N/A	N/A	N/A

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>AC LOG RATE POSITIONERS</b>			<b>DC ANALOG POSITIONERS</b>					
		<b>STANDARD</b>			<b>STANDARD</b>				<b>MINIATURE</b>	
		<b>Command Signal</b> 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108)			<b>Command Signal</b> 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V includes selectable Log Rate function 0-135 ohm Slide Wire (add XMA-108)				<b>Command Signal</b> 4-20mA Only	
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>without Current Trip</b>		<b>with Current Trip</b>		<b>without Current Trip</b>	
					<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
EM-SR5	115VAC	LRC-101A,G MKT-146 RLY-100 POT-102	LRC-101A,G MKT-146 RLY-100 POT-102 XMA-105	LRC-101A,G MKT-146 RLY-100 POT-102 XMA-106	_____	_____	_____	_____	_____	_____
	230VAC	LRC-101B,H MKT-146 RLY-102 POT-102	LRC-101B,H MKT-146 RLY-102 POT-102 XMA-105	LRC-101B,H MKT-146 RLY-102 POT-102 XMA-106	_____	_____	_____	_____	_____	_____

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>ON/OFF APPLICATIONS</b>								<b>TIMER ONLY APPLICATIONS</b>			
		<b>AC STANDARD</b>			<b>DC STANDARD</b>				<b>AC or DC</b>	<b>AC Repeat Cycle Timers</b>	<b>MINIATURE</b>		
		<b>Control Signal</b> 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer			<b>Control Signal</b> 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer		<b>Control Signal</b> 1.9-130VAC 2.4-130VDC with Repeat Cycle Timer with Adjustable Current Trip		<b>Motor Converter Module</b>		<b>AC Sequence Timers</b>	<b>DC Sequence Timers</b>	
<b>Actuator Model</b>	<b>Power Source</b>	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> 0-5V 0-10V	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA	<b>Feedback Signal</b> None	<b>Feedback Signal</b> 4-20mA		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>
		<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	<b>Order Parts</b>	
EM-SR5	115VAC	AMI-103 MKT-146 RLY-100	AMI-103 MKT-146 RLY-100 POT-102 XMA-105	AMI-103 MKT-146 RLY-100 POT-102 XMA-106	_____	_____	_____	_____	_____	N/A	AST-100 MKT-146 RLY-100	_____	
	230VAC	AMI-103A MKT-146 RLY-102	AMI-103A MKT-146 RLY-102 POT-102 XMA-105	AMI-103A MKT-146 RLY-102 POT-102 XMA-106	_____	_____	_____	_____	_____	N/A	AST-100A MKT-146 RLY-102	_____	

<b>BETTIS</b> <i>(See General Notes and Footnotes on Page 24)</i>		<b>FEEDBACK SIGNAL ONLY APPLICATIONS</b>					
		1K Ohm Feedback Pot Only	4-20mA Feedback (2-wire)	4-20mA Feedback (3-wire)	4-20mA Feedback Powered	0-5V 0-10V Feedback (3-wire)	0-5V 0-10V Feedback Powered
Actuator Model	Power Source	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
EM-SR5	115VAC	MKT-xxx POT-102 (2)	MKT-xxx POT-102 XMA-107 (2)	MKT-xxx POT-102 XMA-105 (2)	MKT-xxx POT-102 XMA-105 PWR-102 (2)	MKT-xxx POT-102 XMA-106 (2)	MKT-xxx POT-102 XMA-106 PWR-102 (2)
	230VAC	MKT-xxx POT-102 (2)	MKT-xxx POT-102 XMA-107 (2)	MKT-xxx POT-102 XMA-105 (2)	MKT-xxx POT-102 XMA-105 PWR-102A (2)	MKT-xxx POT-102 XMA-106 (2)	MKT-xxx POT-102 XMA-106 PWR-102A (2)

#### GENERAL NOTES

- MKT-122 mounting kit requires field wiring to be connected directly to auxiliary cam switch terminals if required.
- The EXE-100 Nema 4 enclosure requires miscellaneous wires and drilling of mounting and conduit holes to meet customer requirements.
- The following mounting kits allow the addition of 2 auxiliary switches: MKT-112, MKT-120, MKT-122, MKT-128, MKT-139, MKT-140, MKT-146, MKT-154, MKT-168, MKT-191, and MKT-209.
- When modulating actuators 10 SEC/90° or less, it is suggested to use DHC-series controllers for improved positioning control.
- Mechanical brake option required on AC powered actuators rated for 10 SEC/90° or less.
- Replace DHC-100A with DHC-100D for CE certification (see CE Declaration of Conformity 1001-6A).

#### FOOTNOTES

- 0.5-5 Turns available (Bypass limit switch wiring)
- Use MKT-139 to terminate customer wiring to Peaktronics products or use MKT-128 to terminate through Bettis terminal strip using Bettis wiring diagrams.
- Use MKT-140 to terminate customer wiring to Peaktronics products or use MKT-120 to terminate through Bettis terminal strip using Bettis wiring diagrams.
- XMA-108 will require mounting location within the actuator or externally at 135 ohm slide wire.
- MKT-168, MKT-191, and MKT-209 allow customer wiring to terminate to Peaktronics products or through the Bettis terminal strip using Bettis wiring diagrams.
- EM-500 and EM-520 only.
- For non-standard RTU Mode setting (no parity with 1 stop bit), use OCM-103.

Bettis Series	Turns	Bettis Gearbox	Mounting Kit	Feedback	
				Pot	Limit Switches
500	0.5-8	not required	MKT-128/139	POT-104	Bypass Limit Switch Wiring
	4-14	20 turn	MKT-112	POT-104	Gearbox Limits
	14-35	30 turn	MKT-154	POT-102	Gearbox Limits
800	0.5-8	not required	MKT-120/140	POT-104	Bypass Limit Switch Wiring
	1.5-5	5 turn	MKT-209	POT-104	Gearbox Limits
	4-14	20 turn	MKT-168	POT-104	Gearbox Limits