

BERNARD <i>(See General Notes and Footnotes on Page 5)</i>		AC DIGITAL POSITIONERS						DC DIGITAL POSITIONERS			
		STANDARD						STANDARD			
		Command Signal 4-20mA / 0-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)						Command Signal 4-20mA / 0-10V / 2-10V / 0-5V / 1-5V 0-135 ohm Slide Wire (add XMA-108) Modbus (Modbus Feedback Signal only)			
Actuator Model	Power Source	Feedback Signal None	Feedback Signal mA VDC	Feedback Signal mA VDC Aux Close Aux Open Fault Relays	Feedback Signal 4-20mA (2-wire) Isolated	Feedback Signal 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	Feedback Signal Modbus	Feedback Signal None	Feedback Signal 4-20mA (2-wire) Isolated	Feedback Signal 4-20mA (2-wire) Isolated Aux Close Aux Open Fault Relays	Feedback Signal Modbus
		Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
ASP AS50 AT25 AT50 SQ20 SQ25 SQ60	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-170 POT-102	DHC-400 MKT-170 POT-102 OTX-101	DHC-400 MKT-170 POT-102 OTR-101	DHC-400 MKT-170 POT-102 OCM-102 (3)
	115VAC	DHC-100 MKT-170 POT-102	DHC-100 MKT-170 POT-102 OTX-100	DHC-100 MKT-170 POT-102 OTR-100	DHC-100 MKT-170 POT-102 OTX-101	DHC-100 MKT-170 POT-102 OTR-101	DHC-100 MKT-170 POT-102 OCM-102 (3)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-170 POT-102	DHC-100A MKT-170 POT-102 OTX-100	DHC-100A MKT-170 POT-102 OTR-100	DHC-100A MKT-170 POT-102 OTX-101	DHC-100A MKT-170 POT-102 OTR-101	DHC-100A MKT-170 POT-102 OCM-102 (3)	_____	_____	_____	_____
EZ4 EZ6 EZ10 EZ15 OA3 OA6 OA8 OAP OA15 SQ4 SQ6 SQ10 SQ15	24VDC	_____	_____	_____	_____	_____	_____	DHC-400 MKT-152 POT-102	DHC-400 MKT-152 POT-102 OTX-101	DHC-400 MKT-152 POT-102 OTR-101	DHC-400 MKT-152 POT-102 OCM-102 (3)
	115VAC	DHC-100 MKT-152 POT-102	DHC-100 MKT-152 POT-102 OTX-100	DHC-100 MKT-152 POT-102 OTR-100	DHC-100 MKT-152 POT-102 OTX-101	DHC-100 MKT-152 POT-102 OTR-101	DHC-100 MKT-152 POT-102 OCM-102 (3)	_____	_____	_____	_____
	230VAC	DHC-100A MKT-152 POT-102	DHC-100A MKT-152 POT-102 OTX-100	DHC-100A MKT-152 POT-102 OTR-100	DHC-100A MKT-152 POT-102 OTX-101	DHC-100A MKT-152 POT-102 OTR-101	DHC-100A MKT-152 POT-102 OCM-102 (3)	_____	_____	_____	_____

BERNARD <i>(See General Notes and Footnotes on Page 5)</i>		AC ANALOG POSITIONERS											
		STANDARD						MINIATURE					
		Command Signal 4-20mA / 0-10V / 0-5V / 1-5V			Command Signal 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer			Command Signal 4-20mA / 0-10V / 0-5V / 1-5V			Command Signal 4-20mA / 0-10V / 0-5V / 1-5V with Repeat Cycle Timer		
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 0-5V 0-10V	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal 0-5V 0-10V	Feedback Signal None	Feedback Signal 4-20mA	Feedback Signal 0-5V 0-10V
		Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
ASP AS50 AT25 AT50 SQ20 SQ25 SQ60	24VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	115VAC	AMC-101A MKT-170 POT-102	AMC-101A MKT-170 POT-102 XMA-105	AMC-101A MKT-170 POT-102 XMA-106	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	230VAC	AMC-100C MKT-170 POT-102	AMC-100C MKT-170 POT-102 XMA-105	AMC-100C MKT-170 POT-102 XMA-106	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EZ4 EZ6 EZ10 EZ15 OA3 OA6 OA8 OAP OA15 SQ4 SQ6 SQ10 SQ15	24VDC	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	115VAC	AMC-101A MKT-152 POT-102	AMC-101A MKT-152 POT-102 XMA-105	AMC-101A MKT-152 POT-102 XMA-106	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	230VAC	AMC-100C MKT-152 POT-102	AMC-100C MKT-152 POT-102 XMA-105	AMC-100C MKT-152 POT-102 XMA-106	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

BERNARD <i>(See General Notes and Footnotes on Page 5)</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 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
ASP AS50 AT25 AT50 SQ20 SQ25 SQ60	24VDC	_____	_____	_____	DMC-102 MKT-170 POT-102	DMC-102 MKT-170 POT-102 XMA-105 (1)	DMC-102A MKT-170 POT-102	DMC-102A MKT-170 POT-102 XMA-105 (1)	N/A	N/A
	115VAC	LRC-101A,G MKT-170 POT-102	LRC-101A,G MKT-170 POT-102 XMA-105 (1)	LRC-101A,G MKT-170 POT-102 XMA-106 (1)	_____	_____	_____	_____	_____	_____
	230VAC	LRC-101B,H MKT-170 POT-102	LRC-101B,H MKT-170 POT-102 XMA-105 (1)	LRC-101B,H MKT-170 POT-102 XMA-106 (1)	_____	_____	_____	_____	_____	_____
EZ4 EZ6 EZ10 EZ15 OA3 OA6 OA8 OAP OA15 SQ4 SQ6 SQ10 SQ15	24VDC	_____	_____	_____	DMC-102 MKT-152 POT-102	DMC-102 MKT-152 POT-102 XMA-105 (1)	DMC-102A MKT-152 POT-102	DMC-102A MKT-152 POT-102 XMA-105 (1)	N/A	N/A
	115VAC	LRC-101A,G MKT-152 POT-102	LRC-101A,G MKT-152 POT-102 XMA-105 (1)	LRC-101A,G MKT-152 POT-102 XMA-106 (1)	_____	_____	_____	_____	_____	_____
	230VAC	LRC-101B,H MKT-152 POT-102	LRC-101B,H MKT-152 POT-102 XMA-105 (1)	LRC-101B,H MKT-152 POT-102 XMA-106 (1)	_____	_____	_____	_____	_____	_____

BERNARD <i>(See General Notes and Footnotes on Page 5)</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	
ASP AS50 AT25 AT50 SQ20 SQ25 SQ60	24VDC	_____	_____	_____	DMI-100 MKT-170	DMI-100 MKT-170 POT-102 XMA-105	DMI-100A MKT-170	DMI-100A MKT-170 POT-102 XMA-105	ADM-100	_____	_____	N/A	
	115VAC	AMI-103 MKT-170	AMI-103 MKT-170 POT-102 XMA-105	AMI-103 MKT-170 POT-102 XMA-106	_____	_____	_____	_____	_____	N/A	N/A	_____	
	230VAC	AMI-103A MKT-170	AMI-103A MKT-170 POT-102 XMA-105	AMI-103A MKT-170 POT-102 XMA-106	_____	_____	_____	_____	_____	N/A	N/A	_____	
EZ4 EZ6 EZ10 EZ15 OA3 OA6 OA8 OAP OA15 SQ4 SQ6 SQ10 SQ15	24VDC	_____	_____	_____	DMI-100 MKT-152	DMI-100 MKT-152 POT-102 XMA-105	DMI-100A MKT-152	DMI-100A MKT-152 POT-102 XMA-105	ADM-100	_____	_____	N/A	
	115VAC	AMI-103 MKT-152	AMI-103 MKT-152 POT-102 XMA-105	AMI-103 MKT-152 POT-102 XMA-106	_____	_____	_____	_____	_____	N/A	N/A	_____	
	230VAC	AMI-103A MKT-152	AMI-103A MKT-152 POT-102 XMA-105	AMI-103A MKT-152 POT-102 XMA-106	_____	_____	_____	_____	_____	N/A	N/A	_____	

BERNARD (See General Notes and Footnotes on Page 5)		FEEDBACK SIGNAL ONLY APPLICATIONS					
		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
		Order Parts	Order Parts	Order Parts	Order Parts	Order Parts	Order Parts
Actuator Model	Power Source						
ASP AS50 AT25 AT50 SQ20 SQ25 SQ60	24VDC	MKT-170 POT-102 (2)	MKT-170 POT-102 XMA-107	MKT-170 POT-102 XMA-105	_____	MKT-170 POT-102 XMA-106	_____
	115VAC	MKT-170 POT-102 (2)	MKT-170 POT-102 XMA-107	MKT-170 POT-102 XMA-105	MKT-170 POT-102 XMA-105 PWR-102	MKT-170 POT-102 XMA-106	MKT-170 POT-102 XMA-106 PWR-102
	230VAC	MKT-170 POT-102 (2)	MKT-170 POT-102 XMA-107	MKT-170 POT-102 XMA-105	MKT-170 POT-102 XMA-105 PWR-102A	MKT-170 POT-102 XMA-106	MKT-170 POT-102 XMA-106 PWR-102A
EZ4 EZ6 EZ10 EZ15 OA3 OA6 OA8 OAP OA15 SQ4 SQ6 SQ10 SQ15	24VDC	MKT-152 POT-102 (2)	MKT-152 POT-102 XMA-107	MKT-152 POT-102 XMA-105	_____	MKT-152 POT-102 XMA-106	_____
	115VAC	MKT-152 POT-102 (2)	MKT-152 POT-102 XMA-107	MKT-152 POT-102 XMA-105	MKT-152 POT-102 XMA-105 PWR-102	MKT-152 POT-102 XMA-106	MKT-152 POT-102 XMA-106 PWR-102
	230VAC	MKT-152 POT-102 (2)	MKT-152 POT-102 XMA-107	MKT-152 POT-102 XMA-105	MKT-152 POT-102 XMA-105 PWR-102A	MKT-152 POT-102 XMA-106	MKT-152 POT-102 XMA-106 PWR-102A

GENERAL NOTES

- A) MKT-152 AND MKT-170 mounting kits allow (2) auxiliary cam switches to be added.
- B) When modulating actuators 10 SEC / 90° or less, it is suggested to use DHC-Series controllers for improved positioning control.
- C) Replace DHC-100A with DHC-100D for CE certification (see CE Declaration of Conformity 1001-6A).

FOOTNOTES

- (1) XMA-108 will require mounting location within the actuator or externally at 135 ohm slide wire.
- (2) Feedback potentiometer field connections are terminated via potentiometer wire pigtail.
- (3) For non-standard RTU Mode setting (no parity with 1 stop bit), use OCM-103.