

Personal ID Number Pad

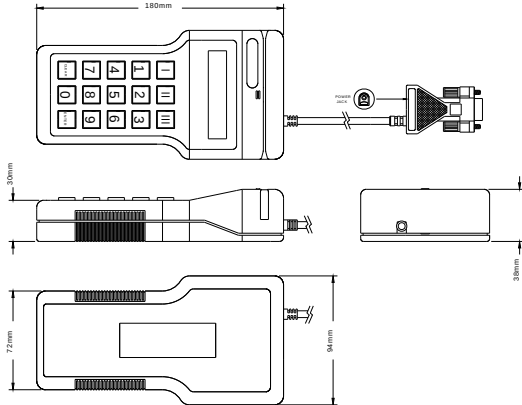
PINPAD 290 Series

- Manage Master/Session key conforms to ANSI X9.24
- Manage DUKPT standard conform to VISA requirement
- Follow ABA X9.8 PIN block and DES in Electronic Book Mode
- DALLAS 5000FP software security Micro-Controller
- Tamper switch against disclosure
- 10 years battery life for program and security data backup
- Easy operating Self-Diagnostic loop back test
- Built-in magnetic card reader optional in PIDPAD 390 series

Specification	
Electrical	
Power require	+5VDC +/-10%, (9VDC optional)
Consumption	50mA Max.
Power adapter	120VAC/9VDC, 350mA
	230VAC/9VDC optional
Communication	Standard RS232 signal level
Ripple	50mVp-p or less
Dielectric strength	500VDC for 1 minute
Key management	PINPAD290 for Master/Session key
	PINPAD291 for DUKPT VISA
Mechanical	
Body Material	ABS 94V-0
Weight	350g
Dimension	180L x 94W x 37H mm
Display	LCD, 1 line x 16 characters
Keypad	Soft touch rubber pad 15 keys
Agency approval	
Rating	FCC class A, CE class A, UL, cUL
Environment	
Operation	-10 to 50, 10 to 85% humidity,
Storage	-30 to 70, 10 to 90% humidity
Performance	
Battery Life	10 years Program/Security data backup

Model Configuration		
Model	Connector	Power
PINPAD290-AA	RJ45	+5V
PINPAD290-BA	RJ45	+9V
PINPAD290-CA	DB-9	+9V
PINPAD290-DA	DIN6	+5V
PINPAD290-EA	DIN6	+9V
PINPAD290-FA	DIN5	+5V
PINPAD290-GA	DIN5	+9V

Interconnection				
PIN	RJ45	DB9	DIN6	DIN5
1	--	--	--	--
2	RXD	TXD	--	VCC
3	TXD	RXD	TXD	TXD
4	--	--	RXD	RXD
5	--	Ground	Ground	Ground
6	--	--	VCC	None
7	Ground	--	None	None
8	VCC	--	None	None
9	None	--	None	None
Default 9600, 8 bit per character, none parity, 1 stop bit				



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- Tamper switch against disclosure
- 10 years battery life for program and security data backup
- Easy operating Self-Diagnostic loop back test
- Built-in magnetic card reader

Specification			
Electrical			
Power require	+5VDC +/-10%, (9VDC optional)		
Consumption	60mA Max.		
Power adapter	120VAC/9VDC, 350mA		
	230VAC/9VDC optional		
Communication	Standard RS232 signal level		
Ripple	50mVp-p or less		
Dielectrie strength	500VCD for 1 minute		
Key management	PINPAD390 for Master/Session key		
	PINPAD391 for DUKPT VISA		
Mechanical			
Body Material	ABS 94V-0		
Weight	350g		
Dimension	180L x 94W x 37H mm		
Display	LCD, 1 line x 16 characters		
Keypad	Soft touch rubber pad 15 keys		
Agency approval			
Rating	FCC class A, CE class A, UL, cUL		
Environment			
Operation	-10 to 50,10 to 85% humidity,		
Storage	-30 to 70,10 to 90% humidity		
Performance			
Read card	Track1	Track2	Track3
Bit per density	210 bpi	75 bpi	210 bpi
Coercive force	Read 300-4000 oe Magnetic Stripe		
Read speed	STD card	Jitter +/-15%	Amp. 60%
	5~55ip	5~50ips	5~50ips
Card thickness	0.76-1.2mm		
Read error rate	< 0.5%		
Head life	Min.300K swipes,500K,1M optional		
Battery Life	10 years Program/Security data backup.		

Model Configuration			
Model	Read Track	Connector	Power
PINPAD390-02AA	2	RJ45	+5V
PINPAD390-02BA	2	RJ45	+9V
PINPAD390-02CA	2	DB-9	+9V
PINPAD390-02DA	2	DIN6	+5V
PINPAD390-02EA	2	DIN6	+9V
PINPAD390-02FA	2	DIN5	+5V
PINPAD390-02GA	2	DIN5	+9V
Read track 1&2 version available e.g. PINPAD390-12AA			

Interconnection				
PIN	RJ45	DB9	DIN6	DIN5
1	--	--	--	--
2	RXD	TXD	--	VCC
3	TXD	RXD	TXD	TXD
4	--	--	RXD	RXD
5	--	Ground	Ground	Ground
6	--	--	VCC	None
7	Ground	--	None	None
8	VCC	--	None	None
9	None	--	None	None
Default 9600, 8bit per character, none parity, 1 stop bit				

