UniCard V1.00

Overview:

The UniCard has been designed to be a cost effective solution for those desiring to dispense cards in a variety of different systems. It has a flexible pricing system that allows for all common dollars/card combinations. It is also pin compatible with our famous ticket dispensing systems, so the hookup and operation is just as easy. Most hookups only require the connection of 3 wires and 2 of them are +12VDC and ground.

Operation:

The UniCard handles the interface between a device that produces pulses of a set value, such as a DBA or game board, and waits until enough value has accrued to get a card and then handles the interface to the dispenser. It also continuously monitors the dispenser port for any condition that would prevent the vending of a card and either locks out the DBA/control panel or lights an error lamp.

Dispenser:

The UniCard is designed to interface with the Asahi-Seiko 12VDC card dispenser line or an equivalent. The UniCard comes with an input harness with 3 feet of wire and a dispenser harness that plugs directly into the Asahi-Seiko dispenser. Other dispensers such as those made by TMI can be connected by ordering the UniCard with just the punch down connector and inserting the wires in the proper location.

Instructions:

1: Mount the PCB in a convenient location.
2: Connect the 6 wire harness to the ticket dispenser and the PCB.
3: The 8 pin harness connects as follows:

Pin 1(Orange wire)	=	+12VDC
Pin 2 (Black wire)	=	Ground
Pin 3 (Green wire)	=	Credit Pulse In
Pin 4 (White wire)	=	Unused credit return . (Optional)
Pin 5	=	Meter + (12VDC for optional meter)
Pin 6	=	Meter - (low pulse for optional meter)
Pin 7	=	Active LOW DBA enable or Error Lamp (Optional DIP switch adjustable)
Pin 8	=	Spare input. (Not used)

4: Set the DIP switch for the desired operation (see table).
5: Apply power, wait 5 seconds then test.

Dispenser connector pinout :

(Pin 1 is denoted by a square solder pad)

Pin 1	=	+12VDC
Pin 2	=	GND
Pin 3	=	/VEND (active low open collector output)
Pin 4	=	Dispenser /READY signal (input)
Pin 5	=	Dispenser /JAM signal (input)
Pin 6	=	Dispenser /EMPTY (input)

Uni_Card V1.00											
Description	Value	1	2	3	4	5	6	7	8	9	10
Pulses in to get one Card	1	0	0	0	0						
	2	1	0	0	0						
	4	0	1	0	0						
	5	1	1	0	0						
	8	0	0	1	0						
	10	1	0	1	0						
	20	0	1	1	0						
	25	1	1	1	0						
	40	0	0	0	1						
	50	1	0	0	1						
	100	0	1	0	1						
	200	1	1	0	1						
	250	0	0	1	1						
	500	1	0	1	1						
	1000	0	1	1	1						
	2000	1	1	1	1						
Return Credit Timing	Fast					0					
	Slow					1					
Pulse In Timeout	Yes						0				
	No						1				
								0			
									0		
										0	
DBA Enable/ Error Lamp	Lamp										0
	DBA										1