QuickSilver Controls, Inc.

SilverLode Controller Selection Matrix

The following matrix is a summary of the controller features.

The following features are common to all QCI controllers:
- RS-232/RS-485 Binary, ASCII, Modbus® RTU
- 32K Memory (2000-3000 program lines)
- 7 TTL Level I/O (Bi-directional)
- 4 Analog In (10 bit single ended or 11 bit differential)
- Secondary Encoder Input
- SMI Port

Controller (Datasheet)	Datasheet QCI-DSnnn	NEMA Motor Sizes	Isolated 24V I/O	Open/Close Frame(2)	7 TTL Level I/O Volt	Optional 24 I/O(3)	Analog In Volt Range	Analog Out Option(4)	Encoder Out	Ethernet(5)	Modbus TCP(5)	SSI Encoder	CANopen®	DMX	Built In Clamp Circuit	Built In Breakouts	Driver Enable	On/Off Switch
SilverNugget[1]																		
QCI-N2…	005	11,17,23	0	Close	5V	5/2	5V		x									x[6]	
QCI-N3…	006	34	0	Close	5V		5V		x									x	
SilverDust																		
QCI-D2-MG	004	11,17,23	0	Open	3.3V	5/2	3.3V	x						x[6]	x[6]				
QCI-D2-MG-01	004	11,17,23	0	Board	3.3V	5/2	3.3V	x						x[6]	x[6]				
QCI-D2-IG	019	11,17,23	0	Open	3.3V	5/2	3.3V	x	x					x[6]	x[6]	x		x	
QCI-D2-IG-01	019	11,17,23	0	Board	3.3V	5/2	3.3V	x	x					x[6]	x[6]	x		x	
QCI-D2-IGF	021	11,17,23	0	Close	3.3V	5/2	3.3V	x							x[6]	x			x
QCI-D2-IGK	023	11,17,23	0	Close	3.3V	5/2	3.3V	x						x	x[6]	x			x
QCI-D2-IGH	022	special	0	Close	3.3V	5/2	3.3V	x						x	x[6]	x	x	x	
QCI-D2-IG8	018	11,17,23	8	Close	3.3V	5/2	3.3V	x	x					x	x[6]	x	x	x	
QCI-D2-IG8-E	018	11,17,23	8	Close	3.3V	5/2	3.3V	x	x	x				x		x	x	x	x
QCI-D2-IG8-EM	018	11,17,23	8	Close	3.3V	5/2	3.3V	x	x	x	x			x		x	x	x	x
QCI-D2-IG8-EMS	018	11,17,23	8	Close	3.3V	5/2	3.3V	x	x	x	x	x		x		x	x	x	x
QCI-D2-IG8-ES	018	11,17,23	8	Close	3.3V	5/2	3.3V	x	x	x		x		x		x	x	x	x
QCI-D2-IG8-S	018	11,17,23	8	Close	3.3V	5/2	3.3V	x	x			x		x	x[6]	x	x	x	x
QCI-D2-IGB	003	11,17,23	16	Close	3.3V		3.3V	x	x					x	x[6]	x	x	x	x

1) SilverMax Replacement
2) Housing: Close: Enclosed; Open: Board mounted on L-Bracket; Board: Board Only (no L-Bracket).
3) Convert 7 TTL (SMI port) I/O to 5 24V Isolated In and 2 24V Open Collector Out using breakout QCI-BO-B52
4) Analog Out Option uses SMI port breakout QCI-BO-B1A. 0-5V output.
5) Ethernet and Modbus TCP are Ethernet to RS-485 Bridges. These bridge the Ethernet port to the device's serial port. Therefore, when these options are used, the serial port cannot be used.
6) Offered as an option (see datasheet).

CANopen® and CiA® are registered community trade marks of CAN in Automation e.V.

For complete details on SilverLode controllers, see datasheets on the website.