

amr I²C LCD & Keypad

Specifications:

Electrical characteristics:

- 42h Base I²C address for LCD, 40h for keypad.
- Simple four wire connection eliminates messy, wide cabling to the front panel without giving up the microcontroller serial port. Two signal lines plus power and ground. Optional Interrupt output for key depression.

Hardware characteristics

- Industry standard 2 line by 40 character LCD. Others from 1 line by 8 characters to 4 line by 40 character by request.
- Industrial quality, hermetically sealed 16 button keypad.
- Double sided 0.062" pcb with extra heavy 2 ounce copper etch.
- Black with white silk screen.
- Form factor compatible with all LCD's with 2x7 and 1x14 connectors.
- Only 10ma operating current.

Software characteristics

- Standard I²C communications protocol.
- 4-bit Nibble mode allows minimum hardware interface with minor s/w cost.

Other I²C compatible hardware available

- amr I³C intelligent 20 bit, 4 channel A/D converter.
- amr I³C intelligent PWM Power Driver output module.
- amr I³C intelligent 0-20ma or 4-20ma output module.
- amr I³C intelligent 0-5Vdc or 0-10Vdc output module.
- amr I³C intelligent LCD/Keypad Module.
- amr I²C Relay Driver Module.
- amr I²C Temperature Module.
- amr I²C I/O Module.