

The TLC-MC2 is a programmable controller custom designed for pump control systems. It incorporates a 240 x 64 pixel 8 line 40 character blue STN LCD display, which when the system is factory programmed, allows the operator to access all parameters of the system (level setpoints, speeds, pressure, etc.) using various menu screens which can be called up by pushing a single function key. Various analog and digital status values can be shown together on one screen in digital and graphical formats. The controller monitors various parameters of the control system and operates pumps, logs data alarms, etc.

TLC Control Panels utilizing a TLC-MC Controller are provided fully programmed and require no additional field programming. If revisions are desired, system programming can be done via a modem without needing to make a field service call. TLC provides custom software on a CD for use with any Windows compatible computers.

The TLC-MC2 Programmable Controller has built in MODBUS communications software. The three serial ports (two RS232 and one RS485) provide an ample source of communication ports for transmitting data over radio or phone lines (or both) and to a local computer. In addition a CANbus port is provided which allows integration of up to 63 TLC-MC2, TLC-CST2 or TLC-VST2 units on an efficient high-speed network.

SPECIFICATIONS

POWER:

- 24V DC

INPUT OPTIONS:

- 4-20mA (7) (500-ohm load)
- 0-10V DC (>100k ohm)
- Dry contact (16)

DISPLAY:

- STN LCD 240 x 64 Pixels
- Fluorescent lamp backlight
- 33 Keys

DIMENSIONS:

- 10.25" w X 6.10" h X 3.25" d

DEPTH BEHIND PANEL:

- 3.25" max.

PANEL CUTOUT:

- 10.24" x 4.96"



COMMUNICATIONS:

- 2 - RS232 ports Std
- 1 - RS485 port
- 1 - CANBUS port
- Supports MODBUS protocol

OUTPUTS:

- SPST relay (1 amp max inductive, 5 amp resistive 24vDC 230V AC):
- Up to 158 I/O total

LINEARITY:

- 12 bit Successive approximation
- ± 0.1%

ENVIRONMENTAL RATING:

- NEMA 4 / IP65

ENVIRONMENTAL TEMPERATURE:

- 0 to 50 degrees C.



Ideal as Elevated Tank Level Controller

With the addition of a pressure transducer the TLC-MC2 becomes a complete elevated tank level controller. With its built in time clock the TLC-MC2 can be programmed to permit filling at off peak periods. With its built in communications the TLC-MC2 can operate remote well pumps via telephone or radio communications. Easy to operate with English menus that operators understand without need of elaborate manuals.