



Main Screen Features

At a glance the operator can monitor the following pump station parameters:

- Current wet well level in both a digital readout and a bar graph
- Status of pumps: running, stopped, not in auto, & trouble
- Description of failures
- Current level set points, PID set point for VFD's & where the level is in reference to these
- Station status: Interactive messages related to the station operation such as descriptive alarms, high or low level, float backup engaged, analog signal failures, internal low battery, pump maintenance notifications, and more
- Main screen help touch point
- Current date, time, and program version

Information Menu

A "public" menu of information, available to any operator or technician provides these read-only parameters:

- Current alarms. If a station has multiple alarm conditions, it can be confusing to an operator. This screen gives a quick overview of critical conditions, pending alarms lacking acknowledgement, pending alarms lacking reset, and detailed alarm information.
- Pump Statistics. At a glance the operator can see an entire week's, or up to the minute daily pump run times, cycles and flows. With the touch of a button shows cumulative run times, cycles, station flows, all pumps running times and cycles, plus generator information (if connected).
- Trends. An operator can view a line graph of pump runs, level alarms, float backup activations, all against the wet well level.
- Alarm History. Shows various critical alarms since last reset, the number of each event, date and time stamp of most recent alarm, and a detailed history report of all alarms.
- Display Options. Adjust the date and time of the controller, backlight intensity, and turn the screen saver off and on to prolong the controller display life.
- Contact and Station Information. User defined contact information for emergency servicing, with controller, station, & factory information.



VisiCon

The VisiCon controller is specifically designed to control above and below grade sewage pumps. No complex "tagging" or "linking" involved and no software to configure. Just adjust simple on screen parameters to suit your station requirements and you are operational in minutes.

Instead of poring through bulky manuals (and likely making tech support calls), The VisiCon's 5.7" full color touch screen allows you to quickly adjust to suit your application without the need to refer to paper documentation. Help files with instructions are embedded for instance access.

On-board data gives information on daily run times, starts, and flows along with cumulative totals. Records of alarms are available at a touch to track problem areas before they become serious, and expensive. On-board trending allows the operator to see a graphical display of events as they interact with each other. The VisiCon logs important data to a removable SD card for easy archiving.

Controller Setup Menus

A password protected menu of controller parameters if desired that may not need to be accessed by the public:

- | | |
|-----------------------------|------------------------|
| • Level set points | • Alarm setup |
| • Transmitter setup | • Password setup |
| • Alternation select | • Timers |
| • Wet well setup | • Data logging |
| • Lead pump select | • Maintenance alerts |
| • Seal Fail/High Temp setup | • Anti pump freeze |
| • PID setup | • Draw down calculator |
| • Flow calc setup | • Level simulation |



Flexibility

Project specific control requirements are not easily modified in some “Out-of-the-Box” controllers, but the flexibility of VisiCon allows easy adaptation to furnish these requirements. Have a special scouring requirement? Need multiple units communicating together for series pumping? MTS programmers and staff can assist with the most demanding logic requirements. VisiCon is flexible enough to be adapted to conditions other than waste water pumping. How about cooling tower applications with return wells, or elevated water towers where the pumps are miles away? VisiCon can!

Powered by **AirLogic**

Internal embedded communications allows VisiCon to connect to an encrypted, secured, and managed server, and allows information to be transferred and viewed by any operator with any web enabled device. All alerts and alarms are reported in real time via text message, email, and/or voice call to an individual based on a prioritized contact list. VisiCon and **AirLogic** provide a dependable acknowledgment system that ensures the situation is handled, and accountability of personnel is maintained. Two way communications with the VisiCon allows menus to be accessed and changed with the click of a button. Location by GPS or physical address, site asset data, uploading of photos for site identification, hierarchy of alarming for managerial control, and maintenance data are just some of the features offered. Dedicated VPN and reliable 3G service, backed by one of America’s top cellular networks, allows **AirLogic** to put the control back in controller!



Technical Data

Display	TFT LCD, 320 x 240 pixels, 5.7"
Touchscreen	Resistive Analog
Data Tables	120K DRAM, up to 256K Flash
SD Card	Special format 8GB supplied
Power Supply	24vdc, 270mA
Internal Battery	3V Lithium Ion, 7 year typ.
Panel Mounting	IP65/NEMA 4X
Operational Temp	0 to 50°C, to 95% non condensing
Storage Temp	-20 to 60°C
Dimensions HMI	5.77" x 7.75" x 2.7" (H x W x D)
Dimensions I/O	5.31" x 3.15" x 2.36" (H x W x D)

Other MTS Products

MTS Motor Protection Devices

MOS Series Relay

- Seal Failure
- Motor & Bearing Over-temperature
- Broadcast Serial Data Collection Standard
- MODBUS Version Available
- Available for Most Submersible Pump Manufacturers

MVF Devices

- Control Cord Signal Conditioning
- Loop Powered
- Simple/Compact Installation

AWS Remote Monitoring

- Universal Digital I/Os
- Analog Inputs
- Battery Backup
- 3G Cellular Communications
- Secured Web Access
- Compact and Simple Design

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