



ATTENTION CUSTOMERS The Controls For Your System May be Obsolete

The controls for your system are important components, as they are critical to the operation of your equipment and allow you flexibility in how you operate your plant. As a valued customer of Aqua-Aerobic Systems, we wanted to alert you to the fact that many PLCs and operator interfaces utilized in your control panels have been discontinued by their original manufacturers. Direct replacement parts for the discontinued products may no longer be available and we wanted to make you aware of what we believe to be the best options for upgrades.

The PLCs and HMIs for your system are integral to your ability to control the treatment process at your facility. Loss of one of the control components in your panel can be problematic for a number of reasons.

Reasons to Consider a Control Upgrade Include:

- If your PLC were to fail and a preprogrammed spare was not available, the equipment could not be operated automatically while you waited for a replacement to be programmed and installed. If your existing PLC is no longer commercially available, then your only choice would be to upgrade to the current model. The system would need to be operated manually while awaiting the new PLC to be programmed. The lead time for replacing the PLC in your system could be several weeks if an upgrade to a current model is required, due to the time it takes to procure the equipment, program it, and have the new PLC installed.
- If the operator interface (HMI) were to fail, the equipment would continue to operate, however you would be unable to observe or make any adjustments to the equipment operation.
- Higher speed and more reliable communication exists with today's PLCs and HMIs.
- LCD touch screen display provides operator friendly, easy to use status and control information.
- Ideal opportunity to add customized program control, such as dissolved oxygen control, total suspended solids, nitrate monitoring and more.

Aqua-Aerobic Systems has installed many types of PLCs and HMIs for our customers historically. Two of the most common types we have provided are the Allen-Bradley SLC series of PLCs with Panelview operator interfaces, and the Koyo (Direct Logic) PLCs with various types of operator interfaces.

The current standard control system Aqua-Aerobic Systems recommends is the Allen-Bradley Logix Series PLC. The current standard operator interface is the Allen-Bradley Panelview Plus 7 Model 700, though the model may vary depending on the application.

Many of the PLCs and operator interfaces that were supplied to our customers are now obsolete. A partial list of these obsolete PLCs and HMIs is presented below.



Partial List of Obsolete/End of Life PLC Models

Allen-Bradley Products

PLC-5 (1785 SERIES)

PLC-5/11	Obsolete/discontinued
PLC-5/20	Obsolete/discontinued
PLC-5/20e	Obsolete/discontinued
PLC-5/40	Obsolete/discontinued
PLC-5/40e	Obsolete/discontinued
PLC-5/60	Obsolete/discontinued
PLC-5/80	Obsolete/discontinued
PLC-5/80e	Obsolete/discontinued

SLC-500 (1747 SERIES)

SLC-5/01	Obsolete/discontinued
SLC-5/02	Obsolete/discontinued
SLC-5/03	Obsolete/discontinued
SLC-5/04	Obsolescence planned/end of life
SLC-5/05	Obsolescence planned/end of life

ControlLogix

L61	Obsolescence planned/end of life
L62	Obsolescence planned/end of life
L63	Obsolescence planned/end of life
L64	Obsolescence planned/end of life
L65	Obsolescence planned/end of life
L61S	Obsolescence planned/end of life
L62S	Obsolescence planned/end of life
L63S	Obsolescence planned/end of life

MicroLogix (176x SERIES)

MicroLogix 1000	Obsolete/discontinued
MicroLogix 1200	Obsolescence planned/end of life
MicroLogix 1500	Obsolete/discontinued

It is our understanding that the Allen-Bradley SLC series of PLCs will be discontinued in the next 1-2 years, this would include the SLC 5/04 and SLC 5/05, as noted above, which are installed at many of our customer locations. It is our understanding that the Koyo (Direct Logic) PLCs will be available for the foreseeable future. You can confirm which PLC is installed in your facility by inspecting your control panel or reviewing the electrical component section in your O&M manual.

Partial List of Obsolete HMI Models

Panelview

550
600
900
1000
1500
Plus 6 Models

Misc.

Exor Uniop
KEP Zoid
Horner Color-Touch OC S300

Optimate

OP-1124
OP-1124-1
OP-1212
OP-1224
OP-1312
OP-1500
OP-1510
OP-406

The Current Standard HMI Aqua-Aerobic Recommends:

Plants with Allen-Bradley Controls

A-B Panelview Plus 7 Model 700 (or larger models)
To replace the models listed above



Plants with Non-Allen-Bradley Controls

EZ Touch
To replace the non A-B models listed above



Note: When Aqua-Aerobic Systems provides a replacement PLC, it will be pre-programmed by our engineers prior to shipment. We would recommend that the new PLC and HMI be installed by an Aqua Field Service Technician, in order to be assured of continuity of your system operation.

Aqua-Aerobic Systems will help you plan your future budget and continued uptime by providing a proposal for an upgraded PLC and operator interface. Please contact your local sales representative, or one of our Aftermarket Sales Representatives to request a proposal.

Contact	Spare Parts	Direct Phone Number	Email Address
Denise Uchacz	Cloth Media Filters	815-639-4514	duchacz@aqua-aerobic.com
Tim Lamont Denise Boehm Michaela Villarreal	SBR, MixAir, AquaPASS, MBR, ABF Aerators, Mixers	815-639-4515 815-639-4461 815-639-4472	tlamont@aqua-aerobic.com mvilareal@aqua-aerobic.com dboehm@aqua-aerobic.com
Jeff Ogle	All Products	815-639-4424	jogle@aqua-aerobic.com