

## INTRODUCING TROJANUV TOUCH SMART CONTROLLER

### Who does this apply to?

Customers who have installed TrojanUV3000 series UV equipment with the following Models:

### TrojanUV3000-Type A, TrojanUV3000B, TrojanUV3000Plus

Customers looking to:

- Replace their old System Control Center and/or HMI
- Link their UV system to the plant SCADA
- Log and trend UV System data
- Monitor and turn their UV System on/off remotely
- Update to a 7" color touch screen HMI

### What is the Touch Smart Controller?

The new Touch Smart controller (**Figure 1**) is a microprocessor-based control system that offers additional capabilities for control, monitoring and communication compared to our older TrojanUV3000 series controllers. The Touch Smart controller has been designed by Trojan engineers to offer many of the benefits of PLC-based controllers but at a significantly lower cost. Key features offered by the Touch Smart controller include:

- Stainless Steel (Type 4X, IP66) enclosure for wall or pedestal mounting
- 7" Color touch screen interface with modern icons for intuitive operation (see Figure 2)
- High and low water level alarms (if probes installed)
- Inputs and Outputs for flow & UV Transmission signals
- Data logging through USB
- Ability to monitor remotely through SCADA (Modbus Ethernet and Modbus RTU)
- Ability to turn system on and off remotely
- Ability to bring on redundant bank automatically upon alarm condition
- Enables automatic control for up to 2 channels and 3 UV banks per channel (excluding control of weir or slide gates)

Please refer to **Table 1** for a complete summary of Touch Smart Controller features.

### Ordering is Easy

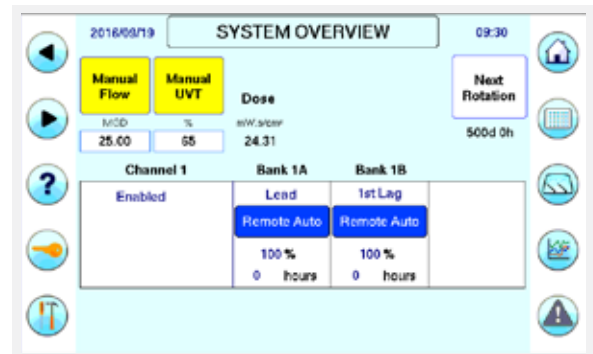
If your current System Controller Center (SCC) is working fine for you then there is nothing you need to do. We did want to make you aware of these new controllers in the event that you were wanting additional control & monitoring capabilities – they are now available without having to upgrade to a PLC. If in future, you need a replacement SCC, the Smart Touch controller will be offered to you.

### Who should I contact for more information?

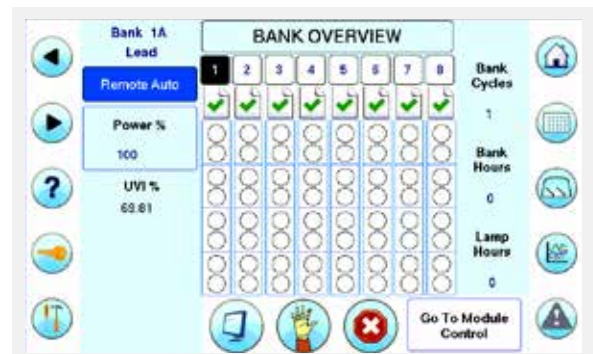
For additional information, pricing or to place an order please contact your local Trojan Representative, visit [trojanuv.com/getgenuine](http://trojanuv.com/getgenuine), or call 1-888-291-0213 (North America) or +1 519-457-3400 (International).



**Figure 1:** TrojanUV Touch Smart Controller for TrojanUV3000 series



**Figure 2a:** Intuitive Touch Smart Controller HMI System Overview screen for TrojanUV3000B



**Figure 2b:** Intuitive Touch Smart Controller HMI bank overview screen for TrojanUV3000Plus

**Table 1:** TrojanUV Touch Smart Controller Features

	TROJANUV3000B	TROJANUV3000A	TROJANUV3000PLUS	TROJANUV3000Plus '07
<b>Configuration</b>				
Max # of Channels		2		Up to 4 Channels**
Max Modules/Bank	20	32	32	32
Max Banks/Channel		3		1-2*
<b>Controls</b>				
Screen Interface	7" Color Touch			
Flow Pacing	Yes	Yes	N/A	N/A
Dose Pacing	N/A	N/A	Yes	Yes
Individual Lamp Status	N/A	Yes	Yes	Yes
Lead Bank Rotation	Auto or Manual			
Redundant Bank Logic	Yes*	Yes	Yes	Yes
Multiple Lamp Failure	N/A	Yes	Yes	Yes
Module Failure Alarm	N/A	Yes	Yes	Yes
Bank Communication Alarm	N/A	Yes	Yes	Yes
Low Water Level	Yes (requires low level probe to be installed)			
High Water Level	Yes (requires high level probe to be installed)			
USB Data Logging	Yes		Yes	Yes
<b>Remote Control Capabilities</b>				
Force System on/off	Yes (DI)	Yes (DI)	N/A	N/A
System enable/disable (runs in auto)	Yes (DI)	N/A	Yes (DI or SCADA)	Yes (DI or SCADA)
Turn on one additional bank (if available)	Yes (DI)	Yes (DI)	N/A	N/A
<b>Remote Monitoring Capabilities</b>				
SCADA Protocols	Standard: Modbus Ethernet Optional: Modbus RTU (N/A for UV3000A) All remote monitoring signals available on SCADA			
Bank Status	Yes			
Common Alarm	Major, Minor	Major, Minor	Critical, Major, Minor	Critical, Major, Minor
Low UV Intensity Alarm	Yes (DO)			
Bank UV Intensity Alarm	Yes (SCADA only)			
Average UV Intensity	Yes (analog out)	Yes (analog out)	N/A	N/A
<b>Inputs/Outputs</b>				
Discrete Inputs	8	8	5	5
Discrete Outputs	8	12	8	8
Analog Inputs	2 – 1 used for Flow 2 <sup>nd</sup> for Future		2 (flow and UVT)	
Analog Outputs	1 - Average UV Intensity		Multiple	

\* For TrojanUV3000, redundant bank logic is driven by a single lamp failure OR low UV intensity as there is no multiple lamp failure alarm

\*\* 3 and 4 channels only 1 bank/channel supported



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