

# Comparison – Station Master™ 2000 vs. D152

Station Master 2000 PN 60000-0002-XX	D152	Station Master™ 2000 Controller
<b>General</b>		
Pumping Direction	Down Only	<b>Up or Down</b>
Process Level Display	40 LEDs	40 Ultra Bright LEDs
Intuitive Interface	● Functional	● Advanced
Setpoint Adjustment	Open Contacts Pins & Sockets	Sealed Front W/Ultra Bright LEDs & Keypad
Interchangeable Scales/Ranges	○	● i
Level Simulation	●	● ii
Input power	120 VAC	12-24 VDC
Battery Backed	○	●
<b>Analog Input</b>		
Selectable VDC or mA DC	○	●
Resolution	40 Segments	8 bit/256 count
Analog Input - Galvanic Isolation	○	● 5,000 VRMS (Min)
Integral Loop Power (24 VDC)	○	●
+5VDC Excitation	●	●
<b>Discrete Outputs</b>		
Pump 1, 2 and Alarm	Relay	Triac iii
System Monitor	○	Darlington iv
Alarm Monitor	○	Darlington
<b>Discrete Inputs</b>		
Control Inhibit	○	●
External Acknowledge	●	●
<b>Alternation</b>		
First On/First Off	○	● v
Rotary	●	●
1-2 Fixed	●	●
2-1 Fixed	●	●
<b>Calibration</b>		
Span	● vi	● vii
Offset	●	●
Damping	○	● 1-40 Sec Adj.
Calibration via ...	Potentiometers	Electronic/Keypad
Calibration Adjust located ...	Internal @ Rear of Controller	Front LEDs & Keypad
2 <sup>nd</sup> Stg On Delay	○	1-40 Sec Adj

	D152	Station Master™ 2000 Controller
<b>Alarms</b>		
High Level (Dedicated Output)	○	●
Low Level (Dedicated Output)	○	●
High / Low Level (Combined)	●	● Selectableviii
<b>Communication</b>		
RS-232/DB9	○	●
Modbus™	○	●
Expandable Communication Sets	○	● xi
Expandable Input/Output	○	● xii
<b>Security</b>		
Security Code	○	● xiii
Setpoint Inversion Protection	○ xiv	● xv
Shortstop™ Simulation	○	●

○ - Not available

● - Provided

Shortstop and Station Master are trademarks owned by Contegra

Modbus is a trademark of Schneider Electric

Specifications are subject to change without notice.

- i Changing the D152's range requires exchanging the controller. The Station Master's scale can be conveniently exchanged in the field.
- ii The Station Master 2000 Controller contains Shortstop™ level simulation. In Pump Down applications, simulation is disabled when the level falls to the Low Alarm ON setpoint. In Pump Up applications, simulation is disabled when the level rises to the High Alarm ON setpoint.
- iii The Triacs' zero voltage turn-on and zero current turn-off reduce electrical noise & interference.
- iv Field Effect Transistors (FETs) are rated 50 mA @ 30 VDC
- v 1st On/1st Off alternation provides enhanced performance by reducing the risk of exceeding the manufacturer's recommended maximum starts/hour and making more effective use of the wet well.
- vi On the D152, Span and Offset are set via four potentiometers located on the rear of the controller.
- vii On the Station Master controller. Span and Offset calibration are set by programming Low and High Scale adjustments using the front mounted knob/keypad and LEDs.
- viii System Monitor can also include High & Low Alarm (switch selectable).
- ix The D150 series controllers do not contain a microcontroller. Therefore, communication is not possible.
- x Modbus communication is provided in the Station Master controller.
- xi Supports multiple modem parameter sets.
- xii Supports multiple modem parameter sets.
- xiii Enabling a three-digit security code locks the controller.
- xiv Pins can be installed in any combination/location
- xv The stage or alarm 'high' setpoint **cannot** be set lower than the stage 'low' setpoint.