

# Digital Master Control Panel with HMI

## Product Specifications

### DESIGN HIGHLIGHTS

- Guided sequence of operation, displays only active equipment
- Large clear icons and controls
- Button function by shape
- Available dock override password protection
- Available screen saver with log-in password protection
- User set password
- Time at dock timer
- Safely monitor PLC I/O status via touch screen
- Alarm history logged on screen with time and date stamp
- User set preventative maintenance thresholds
- Preventative maintenance countdown values for equipment
- Life cycle counts of equipment
- Override event logging
- Ability to reverse sequence of operations
- Diagnose problems and provide actionable recommendations

### EQUIPMENT INTEGRATION

- |  |  |
|--|--|
| <input type="checkbox"/> Air powered leveler   | <input type="checkbox"/> Vehicle restraints  |
| <input type="checkbox"/> Vertical storing leveler  | <input type="checkbox"/> SL40 <input type="checkbox"/> SL 60 <input type="checkbox"/> SL70 <input type="checkbox"/> SL80 |
| <input type="checkbox"/> VersaDock leveler   | <input type="checkbox"/> SL90 <input type="checkbox"/> SLP3000 <input type="checkbox"/> APS2000                          |
| <input type="checkbox"/> Hydraulic leveler   | <input type="checkbox"/> Wheel restraints  |
| <input type="checkbox"/> HL <input type="checkbox"/> HD <input type="checkbox"/> HLR <input type="checkbox"/> HLQ    | <input type="checkbox"/> SLSC <input type="checkbox"/> UTC   |
| <input type="checkbox"/> HFC <input type="checkbox"/> HDR <input type="checkbox"/> HDQ <input type="checkbox"/> HDFC |  |

### AVAILABLE OPTIONS

- |  |   |  |
|--|---|--|
| Door push buttons                                  | <input type="checkbox"/> Push buttons only                      | <input type="checkbox"/> PB plus power supply at primary panel voltage                         |
| Dock light   | <input type="checkbox"/> Power only                             | <input type="checkbox"/> On/off switch <input type="checkbox"/> On/off/auto                    |
| Dock fan   | <input type="checkbox"/> Power only                             | <input type="checkbox"/> On/off switch <input type="checkbox"/> On/off/auto                    |
| Duplex outlet                                      | <input type="checkbox"/> 2 Amp (dock lights only)               | <input type="checkbox"/> 5 Amp <input type="checkbox"/> 10 AMP <input type="checkbox"/> 15 AMP |
| Inflatable shelter                                 | <input type="checkbox"/> SI-400 <input type="checkbox"/> SI-450 | Voltage: _____   |
| <input type="checkbox"/> Rotary fused disconnect   |   |  |
| <input type="checkbox"/> 7" HMI                    |   |  |
| <input type="checkbox"/> NEMA 4                    | <input type="checkbox"/> NEMA 4X                                |  |
| <input type="checkbox"/> 4Sight connect capability |   |  |
| <input type="checkbox"/> Impact-A-Track LED        | <input type="checkbox"/> 2" <input type="checkbox"/> 3"         |  |



### PROJECT INFORMATION

JOB NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

GENERAL CONTRACTOR \_\_\_\_\_

DISTRIBUTOR \_\_\_\_\_

MODEL \_\_\_\_\_

QUANTITY \_\_\_\_\_

VOLTAGE/PHASE \_\_\_\_\_

### CERTIFIED FOR CONSTRUCTION

BY \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

DATE \_\_\_\_\_

1. **General:** "HMI" series control panel featuring touch screen interface, and composite light. Unit to be manufactured by Serco or a Serco approved vendor.
2. **HMI Functionality:** Sequence guide
  - Password protection for override and maintenance functions
  - Data logging capability
  - Input/output display on HMI without opening the panel
  - Override/alarm logs
  - Preventive maintenance tracking
3. **Connectivity:** 4Sight Connect capability when properly equipped.
4. **Construction, Enclosure Assembly:** Enclosure to be constructed of mild steel unless specified for NEMA4 or NEMA4X. NEMA rated panels to be constructed of suitable composite materials.
5. **Composite Communications Light:** Composite light to be composed of LED display containing red X, amber dash and green circle with error code functionality.
6. **Control Panel:** Steel interlock capable control panel with automatic starter, thermal overload, control circuit breaker with reset capability. Touch screen guides operator through equipment functions only displaying the active equipment as standard. Mushroom style e-stop available as an option, standard size is 20 1/2" x 9 1/2" x 8". Panel with E-Stop option is 24 1/2" x 9 1/2" x 8".
7. **Product Finish:** Color to be powder coated ANSI 61 Grey, textured finish.
8. **Mushroom-style Stop Button:** Stops the leveler instantly when depressed. The "STOP" button is maintained contact type which activates a solenoid on the leveler hydraulic system. The dock attendant does not have to continuously hold the stop button to maintain the leveler in a "STOP" position.
9. **Rotary Fused Disconnect:** Optional rotary fused disconnect available (requires 24 1/2" tall configuration).
10. **Limited Warranty:** Serco warrants all components to be free of defects in material and workmanship, under normal use, for a 1-year base period from date of shipment in accordance with Serco's standard warranty policy. The "Base Warranty Period" will begin on the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier. Additional limited 4-year parts only warranty on hydraulic power unit and cylinders. Limited prorated 10-year structural warranty available upon engineering approval of written application.



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