

Options Guide Graphic Display Unit

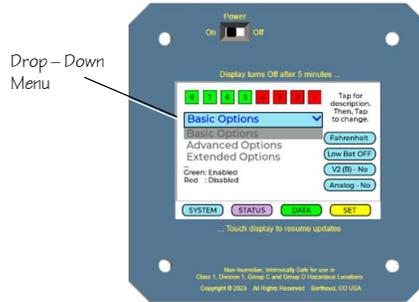


Intrinsically Safe for use in Class 1 Division 1
Group C and Group D Hazardous Locations

Copyright © 2023 OKC Products, Inc. All Rights Reserved

Option Menus

When first navigating to the CONFIG screen, a summary of the BASIC Options is displayed. Using the Drop-Down, select which category of Options to view or modify. There are a maximum of eight (8) individual option in each of the three (3) option groups.

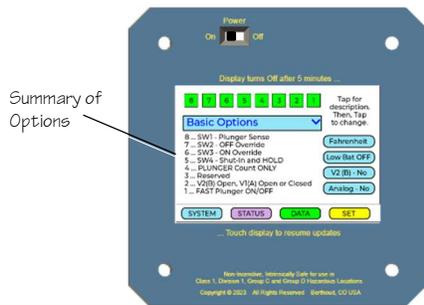


Choose between BASIC, ADVANCED and the EXTENDED option groups. As the selection is made, a summary of the eight (8) individual options within each group will be displayed.

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23

BASIC Options

BASIC options are primarily associated with the application of the four (4) Digital Switch inputs, although the one exception to this is BASIC Option 2 which is used to configure how the first V1(A) valve interacts with the second V2(B) valve

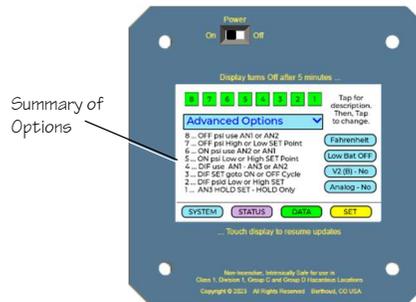


Tap any of the top eight (8) individual top buttons to see a description of that particular option below the Blue bar. Tap again and the option box will change color (Green or Red) to enable or disable the option. Note that some behind the scenes configuring will automatically take place to keep conflicting options from interfering with each other.

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23

ADVANCED Options

ADVANCED Options are primarily associated with the application of, up to three (3), Analog Sensors – AN1, AN2 and AN3. Options include choosing which sensor to use for ON, OFF and HOLD functions and whether a HIGH or LOW setpoint is used to trigger the control function.

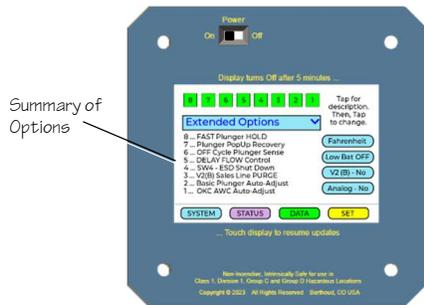


Tap any of the top eight (8) individual top buttons to see a description of that particular option below the Blue bar. Tap again and the option box will change color (Green or Red) to enable or disable the option. Note that some behind the scenes configuring will automatically take place to keep conflicting options from interfering with each other.

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23

EXTENDED Options

EXTENDED Options are associated with the application of special functions related to operating safety and improved well operating performance. ESD Shut-Down and FAST Plunger HOLD are safety related, whereas PopUp, Flow Control and Auto-Adjust are well performance enhancing.

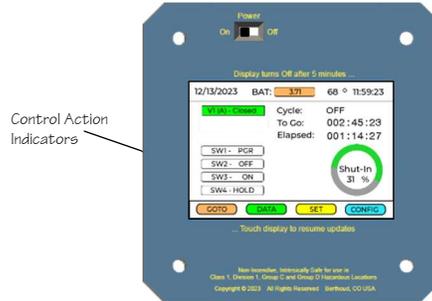


Tap any of the top eight (8) individual top buttons to see a description of that particular option below the Blue bar. Tap again and the option box will change color (Green or Red) to enable or disable the option. Note that some behind the scenes configuring will automatically take place to keep conflicting options from interfering with each other.

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23

Action Indicators

There are four (4) control action indicators on the STATUS screen that will change color to indicate that a control event triggered an action.



The indicator's text will change to show whether a Digital Switch closure or Analog Sensor setpoint triggered the action. For example ...

Digital Switch SW2 closure will show:

SW2 - OFF

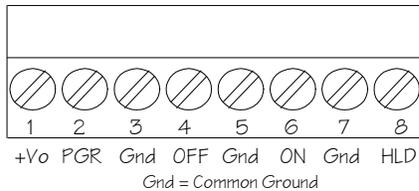
Analog Sensor AN1 OFF setpoint trigger will show:

AN1 - OFF

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23

Digital Sensor Hook-Up

J3 8-Position screw terminal block.



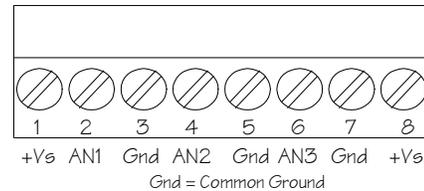
- +Vo (1) – Gnd** 3-Wire plunger arrival sensor power. +Vo connects to sensor PWR or V+.
- PGR (2) – Gnd** Plunger (PGR) arrival sensor. PGR connects to sensor SIG or +.
- OFF(4) – Gnd** OFF override switch. OFF connects to switch gage LOW.
- ON (6) – Gnd** ON override switch. ON connects to switch gage HIGH.
- HLD (8) – Gnd** High Sales Line HOLD switch. HLD connects to switch gage HIGH.

Normally Open switch sensors can be a Switch Gage, DP Flow Switch, Tank Level Gauge or Temperature Switch.

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23

Analog Sensor Hook-Up

J6 8-Position screw terminal block.



- +Vs (1) – Gnd** Switched Sensor +10 Vdc Power. +Vs connects to sensor PWR or V+.
- AN1 (2) – Gnd** AN1 (normally Casing) psi sensor. AN1 connects to sensor Out.
- AN2(4) – Gnd** AN2 (normally Tubing) psi sensor. AN2 connects to sensor Out.
- AN3 (6) – Gnd** AN3 (normally Sales Line) psi sensor. AN3 connects to sensor Out.
- +Vs (8) – Gnd** Switched Sensor +10 Vdc Power. +Vs connects to sensor PWR or V+.

Analog sensor inputs are 0 – 5 Vdc. Units are scaled in psi, psid, InW, feet (meters) or other units as required.

Doc. No. 9401-4011094 www.okcproducts.com 12/28/23