FLEX™ Capacitor Start Control Panel

Single Phase Duplex, Overload, Type 4X (Indoor/Outdoor)
Model: FLCSO1D230 | 240VAC; Specified Amp Ranges
OPAQUE DOOR, ALARM BEACON, and LOCKABLE LATCHES

Alderon™ INDUSTRIES

MARKETING DATA FLIER



Panel Options (customize application)

- Current Sensor (displays and monitors Amps)
- Anti-Condensation Heater
- Main Disconnect
- Lightning Arrestor
- Intrinsically Safe Circuits
- Vizzy.Site™ Remote Monitoring

STANDARD FEATURES

- **Type 4X Enclosure, Indoor or Outdoor, Pad-Lockable**
  - Standard Enclosure Size 18" x 16" x 10" (inches)
  - Opaque Door, Alarm Beacon with Red Flashing LEDs
  - Inner Door, View OLED Screen with Alarm and Status Indicator LEDs
  - Alarm Buzzer and Alarm Test/Silence Switch
- **Pump Circuit Breakers, IEC Contactors, and Overload Relays**
  - IEC Contactor Pump Starters with Overload Relays Provide an Adjustable Pump Amp Range which Protects the Pumps from Overcurrent Damage and Pump Circuit Breakers for Pump Disconnect
- **Capacitor Start Kits for Pump Starting** ***(customer supplied)***
- **Beacon with Vibrant Multi-Color LEDs** ***(select indicators listed)***
  - Green (normal), Red (alarms), Blue (pump run), and Red/Yellow (error)
- **Automatic Resettable Alarm and Control Fuses**
- **Built-in Printed Circuit Board Surge Protection** ***(conformal coated)***
- **Easily Change Configurations**
  - Demand Dosing, Timed Dosing, Transducer Settings, Enable Pump Exerciser, and Seal Fail Alarm or Pump Shutdown
- **Sensor Options** ***(signaling device)***
  - Field Wire up to (5) Digital Inputs
  - Low Alarm/Redundant Off, Off, Lead, and Lag/High Alarm
  - 5th Input; 4-20mA Submersible Transducer (with 316 stainless steel cable hanger), Auxiliary Switch, or Float Switch to Separate the Lag and High Alarm
- **Statistic Tracking** ***(each pump)***
  - Pump Elapsed Time, Min/Max/Avg Pump Run Times, Pump Cycle Counter, Total Gallons Pumped, High Level Stats, and More
- **Included Auxiliary "Dry" Contacts**
  - Pump 1/2 Run and General Alarm (configurable; any Alarm plus Power Loss)
- **Hand-Off-Auto (HOA) Pump Selector Switch** ***(each pump)***
  - Off Reminder, Yellow Flashing LEDs and Displays "Pumps Disabled"
  - Configurable Pump Disable
- **Scroll Wheel and Digital Display** ***(password protected settings)***
  - Navigate Menu, Access Statistics, Configure Settings, and More
- **Exterior Test/Silence Switch**
  - Quick View of Pump and Alarm Stats, Alarm Test, or Silence Buzzer

ORDERING INFORMATION

Scan the QR code for more information on this product and website includes pricing.

FLEX™ - SINGLE PHASE | DUPLEX

Base Model	Control Panel Description
FLCSO1D230	FLEX™ Capacitor Start, Opaque Door, Single Phase Duplex, Overload, 120VAC Control and 240VAC Pump, Pump Circuit Breakers

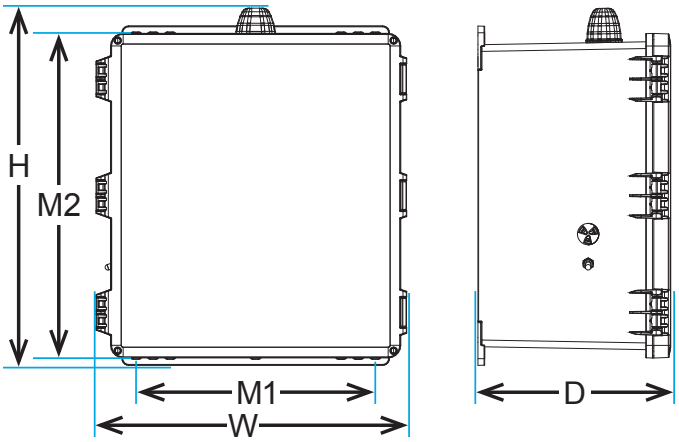
Panel Code	Pump Full Load Amps (FLA)
CO12-18	12.0 - 18.0 Amps
CO16-24	16.0 - 24.0 Amps
CO23-30	23.0 - 30.0 Amps
CO30-38	30.0 - 38.0 Amps

Control Switch Options	Panel Code	Description (narrow angle models only)
Number of Control Switches	+2	(2) Control Switches *(with transducer)*
	+3	(3) Control Switches
	+4	(4) Control Switches
	+5	(5) Control Switches
Float Style	AG	Altra™ Gold Series
Activation Type *(Pump Down)*	H	High Level, Normally Open
Mounting Method (float attachment)	PS	Pipe Clamp, Stainless Steel
	WC	Cable Weight, Cast Iron
	WP	Cable Weight, Plastic
Cable Length (feet; standard)	20	20' Cable Length
	30	30' Cable Length
	50	50' Cable Length
	75	75' Cable Length
	100	100' Cable Length

***Example: FLCSO1D230CO12-18+4AGHWP30** = FLEX™ Capacitor Start, Opaque Door, Single Phase Duplex, Overload, 120VAC/Control and 240VAC/Pump, 12-18A, (4) 30' Control Switches, Plastic Cable Weights*

FLEX™ Control Panel, Overload | PRODUCT DIMENSIONS and REMOTE MONITORING

Optionally connected to the Alderon™ cloud based Vizzy.Site™ for alarm and pump tracking statistics



PANEL CODE (enclosure size)	OVERALL Width (W)	OVERALL Height (H)	OVERALL Depth (D)	MOUNTING Width (M1)	MOUNTING Height (M2)
Base Model (E5) *18 x 16 x 10*	18.16	19.85	11.27	14.25	18.99
E6 *20 x 16 x 8*	20.61	24.15	9.40	14.94	23.13
E7 *24 x 24 x 10*	27.36	27.79	11.50	17.94	25.19

Enclosure measurements (inches)

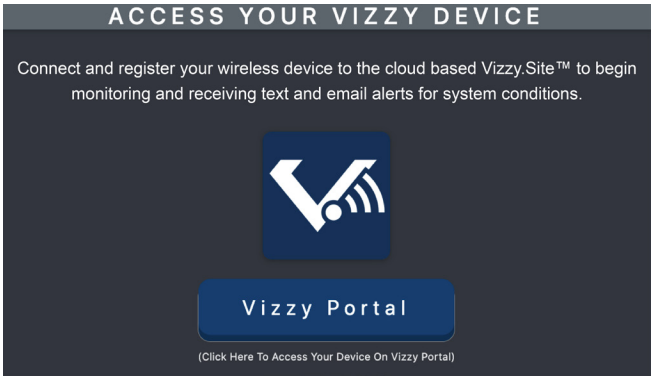
OPTIONAL - REMOTE MONITORING

Vizzy.Site™ | 3 WAYS to CONNECT

1 ***WIFI***
Panel is connected where the WiFi signal is available AT the panel location ~ Panel Code: V1

2 ***ZIGBEE WIRELESS to WIRELESS WIFI***
Panel is connected up to 1,000 feet *(line of sight)* AWAY FROM where a WiFi signal is available from the panel location ~ Panel Code: V2

3 ***VERIZON CELLULAR***
Panel is connected as long as a Verizon cellular signal is available at the panel location ~ Panel Code: V3 (USA) and V4 (Canada)



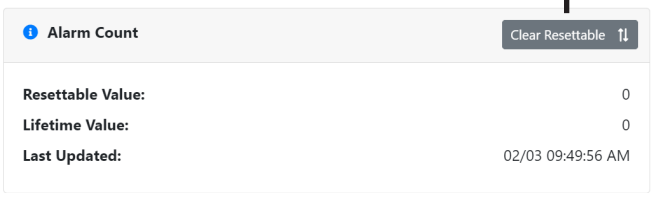
MONITOR YOUR SYSTEM ANYWHERE with a SMARTPHONE, TABLET, or COMPUTER

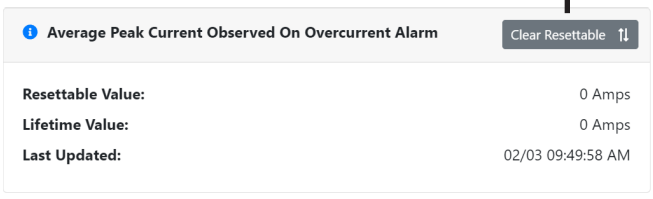
When the product is connected to the Alderon™ Vizzy.Site™ cloud for remote monitoring; view product information for the device, configuration, event history, stats, alert rules, and information. Each tab includes additional information and selections to change system settings or view alarm and pump statistics.

Statistic examples include: System Pumping, Pump Run Stats, Pump Auxiliary Cutoff, Pump Overcurrent, Pump Undercurrent, Pump Seal Sensor Alarm, High Water Alarm, and Low Water Alarm (duplex; separate stats per pump).

Example: Pump 1 Overcurrent

PRESS the 'Clear Resettable' button to "reset" statistic to zero.
NOTE: Lifetime statistic values are NOT resettable





SUBSCRIPTIONS:

Options V1 and V2 | WiFi or Zigbee to WiFi

- VIZZY™ FREE - $0.00 | high or low level alarm monitoring only
- VIZZY™ PRO - $99.00/YEAR | full system monitoring of alarms and events, pump statistics, and more

Options V3 (USA) and V4 (Canada) | Cellular

- VIZZY™ PRO - $299.00/YEAR | full system monitoring of alarms and events, pump statistics, and more