Simplex Pump Control

Constant-pressure control solutions.
0.33hp to 200hp
120V to 690V

The Emerson Control Techniques SK Pump Solution is an effective and versatile variable speed control system for maintaining constant pressure in a single pump configuration for ratings up to 200hp.

Based on the highly reliable Commander SK drive, this product offers cost effective pump control. An embedded controller in the drive eliminates the need for an external controller saving cost, space and programming time.

Standard Features:
- Dynamic V/Hz Energy Savings mode
- Built-in energy metering
- Wide power range — 0.33hp to 200hp
- Smooth S-ramp speed variation
- Modbus RTU communications
- Start/Stop and control modes:
    - Pressure switch and flow switch
    - Pressure transducer and flow switch
    - Pressure transducer only
- Software operating features:
    - Pressure PID mode
    - Sleep / wake mode
    - Start / stop delay
    - Multiple set-point selection
    - Pipe fill operation
    - Automatic fault reset
- System protection functions:
    - No suction detection/dry well detection
    - Transducer loss detection
    - High / low pressure detect
    - No-flow detection
    - Motor overload

Commander SK pump control systems include a Control Techniques LogicStick preloaded with pump drive control software to significantly reduce costs through measurable improvement in pumping reliability, up-time and performance. *continued…*

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2 YEAR Warranty

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Simplex Pump Control
Options and Order Information

Options

SM-I/O-LITE Option Module for extended I/O

Commander SK drive models size B and up can be ordered with a snap-in SM-I/O-LITE Option Module. This module provides control over additional pump application parameters. Additional features include:

- Multiple set-point selection
- Over temperature switch input
- Fault reset input
- An additional user programmable relay output

How to Order

For complete information on Commander SK AC drives — including ratings, specifications and order codes — please refer to Brochure Number BRO-CSK-1107.

SK Pump Solutions can be ordered 3 ways:

- **SK***−P** includes pre-programmed Commander SK with default pump configuration drive parameters, LogicStick containing the pump software and SmartStick containing default pump configuration drive parameters (provided as a backup to restore drive parameters defaults).
- **SK***−PL** includes the above plus SM-I/O-LITE snap-in Option Module.
- **SK-LOGICSTICK−PUMP** includes LogicStick containing pump software and SmartStick containing default pump configuration drive parameters (provided as a backup to restore drive parameters defaults).

SM-KEYPAD-PUMP Operator interface

The SM-KEYPAD-PUMP is a convenient operator interface that is highly recommended for users who wish to change system parameters but have no access to a personal computer. The SM-KEYPAD-PUMP is supplied with a 10" cable for connection to the drive. Other cable lengths up to 100" are available on request.

Features:

- Multi-line, plain text LCD keypad
- Help function
- Pump and drive status display
- System diagnostics
- Access to all parameters
- Display filter for rapid set up

Software Configuration

The Commander SK Pump parameters can be setup from a PC using FREE CTSoft software and an optional cable (order code CT-USB-CABLE).

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