



ACL

Manufacturing

A Division of ClearRushCo.

Combustion Safety Controller

Model: ACL - CSC200



Approvals

CSA approved for Class I Div 2 location
CSA B149.3-20
C22.2 No 199-M89
E60730-1-2013
ANSI Z21.20-2014
CAN/CSA C22.2 No. 60730-2-5-2014
Compliant, meets NFPA standards

(See product specification sheet on reverse)

The ACL CSC200 Combustion Safety Controller is an advanced, reliable Burner Management System that provides burner ignition and flame fail sensing for the following applications.

- Line heaters
- Treaters
- Re-boilers
- Dehydrators
- Tanks
- Separators

The CSC00 is a simple to use controller with two thermocouple inputs that can be used for accurate temperature monitoring and/or control in process applications. The CSC200 provides full first out annunciation of all the shutdown inputs such as Level, High Temperature, Remote Shutdown, Pressure, Proof of Closure, Flame Failure, and Power Failure. The CSC200 also has Modbus communications built in.

www.clearrushco.com

1-877-638-5234 (403) 638-5234

Clear Rush Co.
Box 1898, 5406 Township Road 325B
Sundre, AB T0M 1X0
Canada



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Features

Type 4X enclosure, corrosive resistant and weatherproof

No Programming Required.

Remote Stop and Start via Modbus or Direct On/Off Switch

On/Off Switch

Pilotless or continuous pilot operation

12/24VDC and solar

Modbus communications built in

Low power consumption (power save mode operates as low as 1.2W)

100% Failsafe design: Ignition Module CSA certified to C22.2 60730-2-2014, ANSI Z21.20-2014

Onboard solenoid driver for power reduction to solenoids and peak-hold solenoids

Two adjustable Type-K thermocouple inputs for monitoring process temperature and high temperature

Full annunciation of shutdown: Flame Fail, Power Fail, Level, Remote S/D, pressure, High Temperature (TC2), Proof of Closure.

Easy to read four digit, seven-segment LED display

LED indication of thermocouple 1 or 2 values displayed and burner operation

Adjustable deadband from 1, 2, 3 and 5 degrees C or 2, 4, 6, 10 degrees F

Three solenoid outputs: Pilot, Main, Temperature Main, up to 2A each

Brownout Protection - CSC200 will continue in previous state if a brownout/blackout condition is detected

Operational ambient temperature of -40°C to $+60^{\circ}\text{C}$ (Celsius or Fahrenheit readout)

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