



# CCD100 SERIES CONTROLLER DISPLAY FLOW CONTROL

The CCD100 Controller Display features a graphical VFD display which displays the relevant units and generates ease of use menu structures. The Controller Display contains digital comms, alarm outputs, configurable units and multiple transducer supplies as well. The unit's firmware can also be customized for specific applications.

The CCD100 not only contains internal setpoint functions but also features external inputs which can be used to generate slaved setpoint from another processor/transducer. The unit can also be programmed for tamper-resistant functionality by hard wiring the interface connector. The user can lock out the menu command and/or zero out the command button.

The user-friendly menu structure allows the CCD100 to be programmed easily. All menus feature backwards and forwards options as well as up and down numeric inputs. The unique design of the 533 Series allows low torque operation with gas flow in either direction. Directional arrows are provided to indicate suggested flow direction.



CCD 100 SHOWN

## Order Information

CCD 100 CONTROLLER DISPLAY	
Part Number	Description
CCD100	Transducer and controller display

## Materials and Specifications

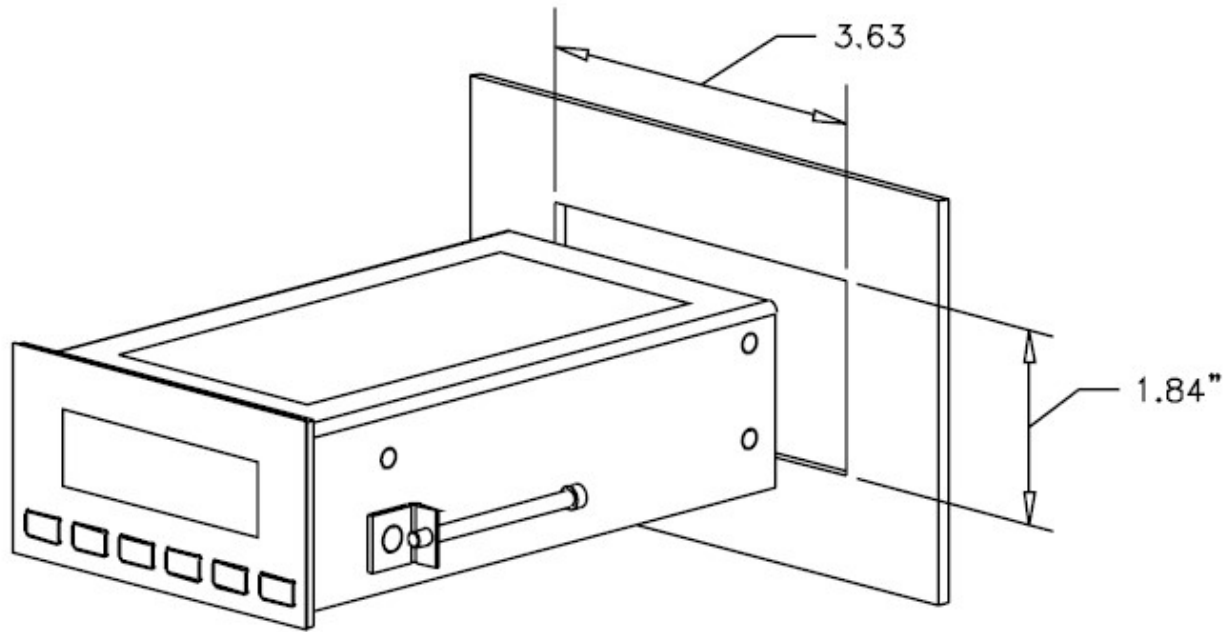
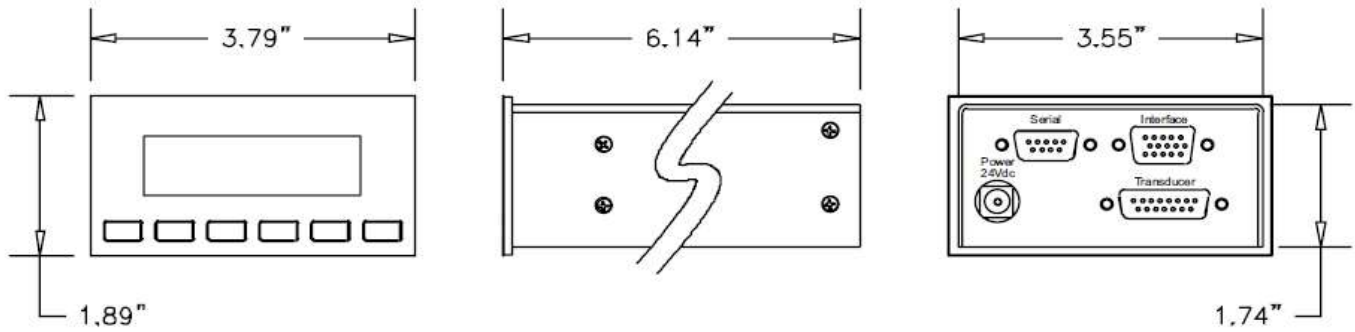
<b>Full scale input</b>	0-5 volt or 0-10 volt
<b>Input impedance</b>	>100Kohm
<b>Measurement resolution</b>	16 bit
<b>Command output</b>	0-5 volt operator selectable
<b>Error</b>	0.02% of reading plus 1 digit
<b>Display type</b>	VFD graphical display
<b>Display range</b>	-9.999 to +99.999
<b>Transducer power supply</b>	+/- 15 volts at 250mA, 24 volts DC at 300mA
<b>Operating temperature range</b>	+5 to +50°C (41 to 122°F)
<b>Storage temperature range</b>	-20 to +70°C (-4 to 158°F)
<b>Maximum relative humidity</b>	95% at 50°C (122°F)
<b>Warm up time</b>	20 mins
<b>Decimal point selection</b>	Operator selectable from front panel
<b>Power supply</b>	110/115/230 VAC 50/60 Hz or 24VDC
<b>Dimensions</b>	3.62" x 1.77" x 5.67" (92mm x 45mm x 141mm)
<b>Weight</b>	0.77lbs (350g)
<b>Panel cut out</b>	Standard 1/8 DIN
<b>Main connector</b>	IEC 320 on in-line PSU
<b>Alarm output</b>	2 mechanical changeover relays (max 50VDC)

## DIGITAL COMMUNICATIONS

<b>Serial</b>	RS232 or RS485
<b>Baud</b>	19200-57600, 8 data bits, no parity, 1 stop bit
<b>Addressing</b>	A to H
<b>Ethernet (TCP/IP)</b>	Configurable IP address and subnet mask. Single host stack.

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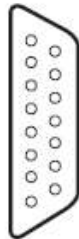
# INSTALL DIMENSIONS



## Connections

**Transducer**  
15 Way D (Female)

- 2 - Signal+
- 5 - Power ground
- 6 - - 15 VDC
- 7 - + 15 VDC
- 8 - Set point output
- 11 - Signal return
- 12 - Signal return
- 13 - +24 VDC
- 15 - Case GND



**Interface**  
15 Way High Density D (Female)

- 1 - Analogue output
- 2 - Relay 2 Com
- 3 - Relay 2 NO
- 4 - Relay 2 NC
- 5 - 0v (signal ground)
- 6 - External setpoint return
- 8 - External setpoint
- 10 - 0v (signal ground)
- 11 - TTL input-Disable menu
- 12 - TTL input-Disable zero
- 13 - Relay 1 Com
- 14 - Relay 1 NO
- 15 - Relay 1 NC

