

Bitronics® D650 Universal Display

The Bitronics D650 Universal Display (D650MXU011) is designed to connect to substation IEDs to display measurement values resident in those IEDs. Following are the key features:

Key Features

- Connects to Orion, Bitronics transducer, or other IED via Ethernet or serial to display measurement values
- Web-based configuration for easy setup.
- 'Flex Scaling' provides extreme flexibility in configuring the display to show a wide range of values from relays, RTUs, comm processors, etc.
- Supports Modbus RTU, DNP3 Serial or Modbus/DNP3 TCP Client protocol
- Supports analogs, counters, binary inputs, and binary outputs
- User can select registers/points in any desired sequence
- The D650MX can be used both as display for Bitronics M87x and PPX II, and as DNP3/Modbus client for displaying IED measurement values. The D650BX can be used in serial mode only.

Specifications

Dimensions: 4.5" (w) x 4.5" (h) x 6.5"(d)

Weight: 1.8 lbs.

Power Supply: Universal 48-250V dc/55-240V ac nominal

Outputs:

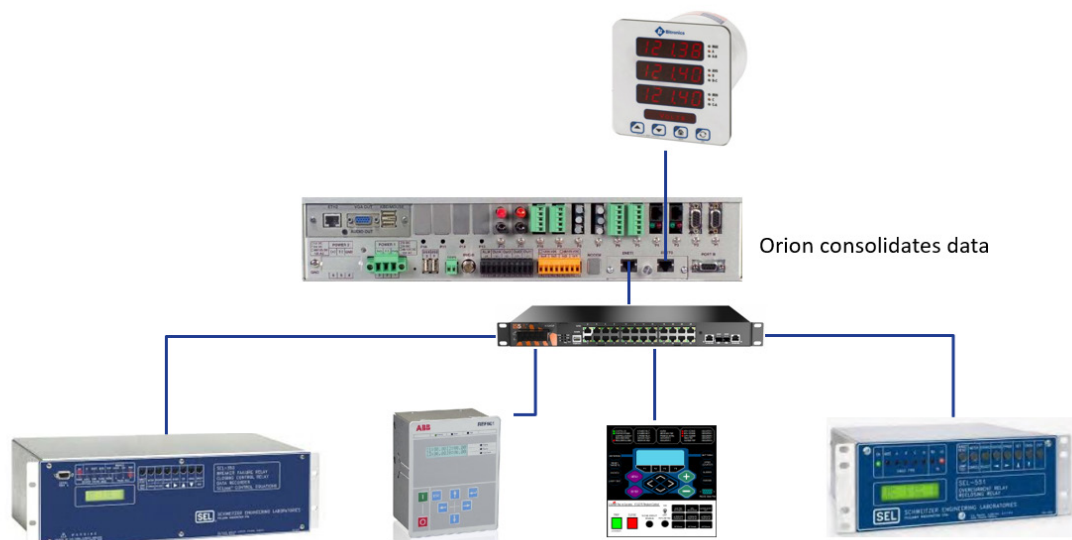
- Optional configurable RS-232/RS-485 port, configurable from 9600bps to 115.2kbps
- Standard RJ45 10BaseT/100BaseTX port for service port functions, optional Modbus or DNP3 TCP/IP support

Environmental:

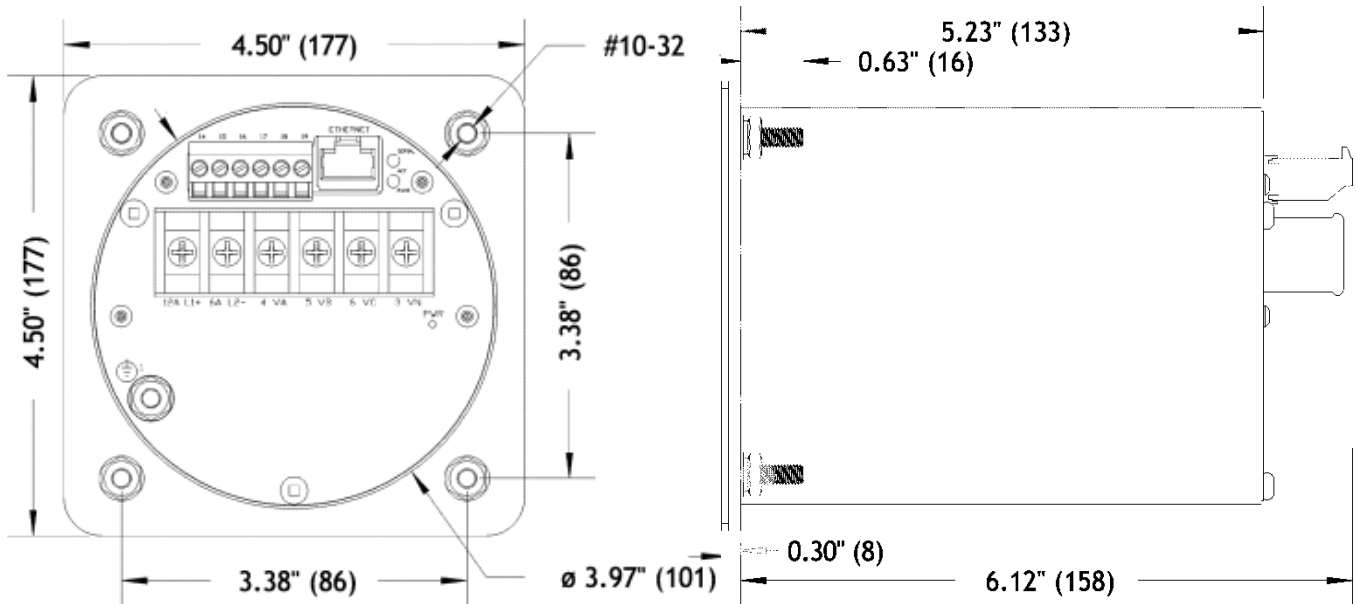
- Operating temperature range -40° to 70°C, storage temperature -40° to 85°C
- Humidity 0-95% non-condensing
- Surge withstand to ANSI/IEEE C37.90.1: 2002
- UL/CSA Recognized, File Number E164178, CE Marked



Bitronics D650 Universal Display: One to One



Bitronics D650 Universal Display: One to Many



D650 Universal Display Dimensions

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INPUT

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OUTPUT

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UTILITIES

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Settings / Scaling

Scalings

Name	Point 1		Point 2		Add Scaling
	Polled	Displayed	Polled	Displayed	
No scaling	-10000	-10000	10000	10000	Delete
Divide by 10	-10000	-10000	10000	10000	Delete
Divide by 100	-10000	-10000	10000	10000	Delete
Divide by 1000	-10000	-10000	10000	10000	Delete
F-to-Cent	3200	0.00	21200	100.00	Delete

enter a name enter a polled value and its display format enter a second pair of values

Measurements

Name	Scaling	Phase	Modifier	Rows	Add Measurement
Amps - Ph A	No scaling	A	none	one	Delete
MW - Total	Divide by 1000	none	none	one	Delete
Freq	Divide by 100	none	none	one	Delete

enter a name select scaling method select optional LEDs to illuminate select row span

D650 Universal Display Web-based Configuration

