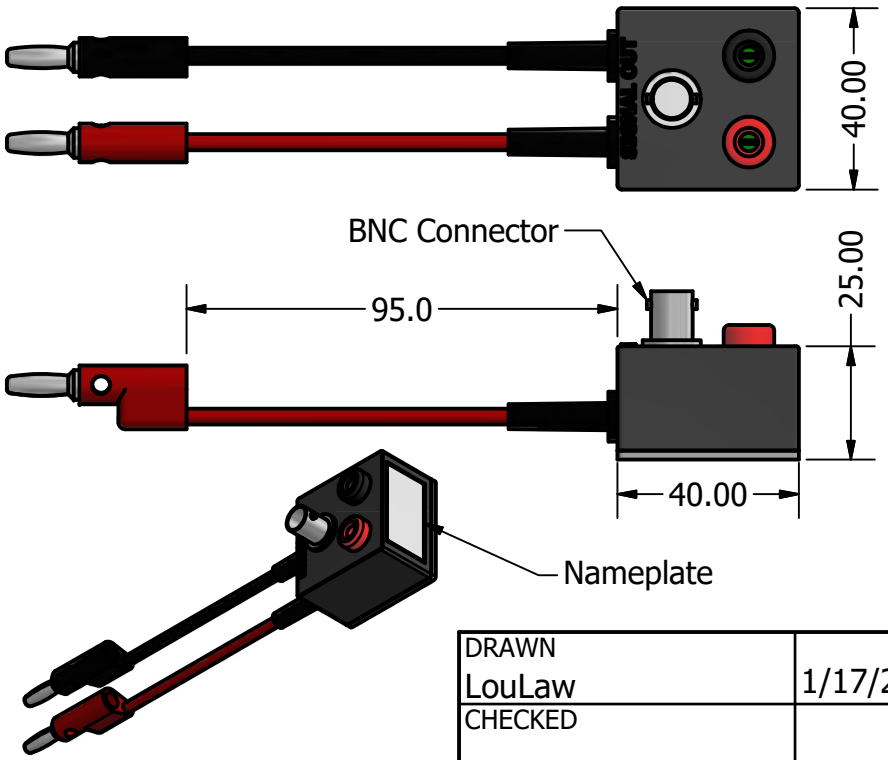
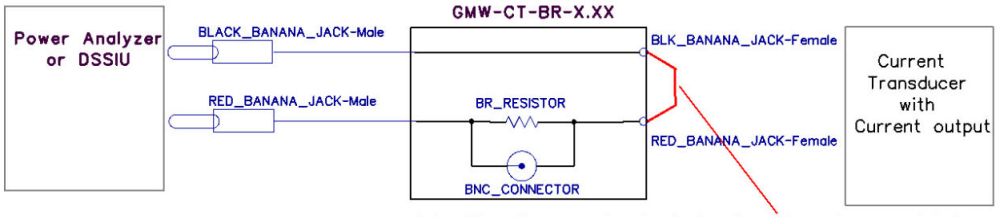
Overview

The GMW-CT-BR-X.XX Burden Resistor Module generates a Voltage Monitor Signal when the current output from a closed-loop current transducer is connected to the current input terminals of a Power Analyzer or DaniSense Interface unit.

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	Initial Release	2/10/2024	KLL
	B	Updated Schematic	03/30/2024	KLL
	D	Updated resistence values	10/15/2024	KLL
	D	Added note re "jumper" with DaniSense Xducer	10/26/26	KLL

Model Number	Resistance Value	Tolerance %	Rated Current (I)
GMW-CT-BR-10.0	10.0 ohms	+/- .05	100mA
GMW-CT-BR-5.0	5.0 ohms	+/- .05	250mA
GMW-CT-BR-2.5	2.5 ohms	+/- .05	400mA
GMW-CT-BR-1.67	1.666 ohms	+/- .05	600mA
GMW-CT-BR-1.0	1.0 ohms	+/- .05	1200mA
GMW-CT-BR-0.83	0.8333 ohms	+/- .05	1500mA





Connection Diagram Schematic

Note: When the current output of a transducer is connected to an interface unit (E.G. DaniSense DSSIU) via a DB9 cable:

* Insert a jumper across the Red and Black female bannana jacks to measure voltage across the burden resistor thru the BNC connector

Caution: If the monitor voltage signal is measured with single-ended (grounded) oscilloscope it is essential that the Power Analzer input is isolated (not grounded)

Dimensions in mm
Tolerance x.xx =+/- 0.5mm
Tolerance x.x = +/- 2 mm

DRAWN	LouLaw	1/17/2024
CHECKED		
QA		
MFG	Lou Law	2/10/23
APPROVED		

TITLE

Burden Resistor Module GMW-CT-BR-X.XX

SIZE		DWG NO	REV
A		GMW-CT-BR-X.XX	D

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