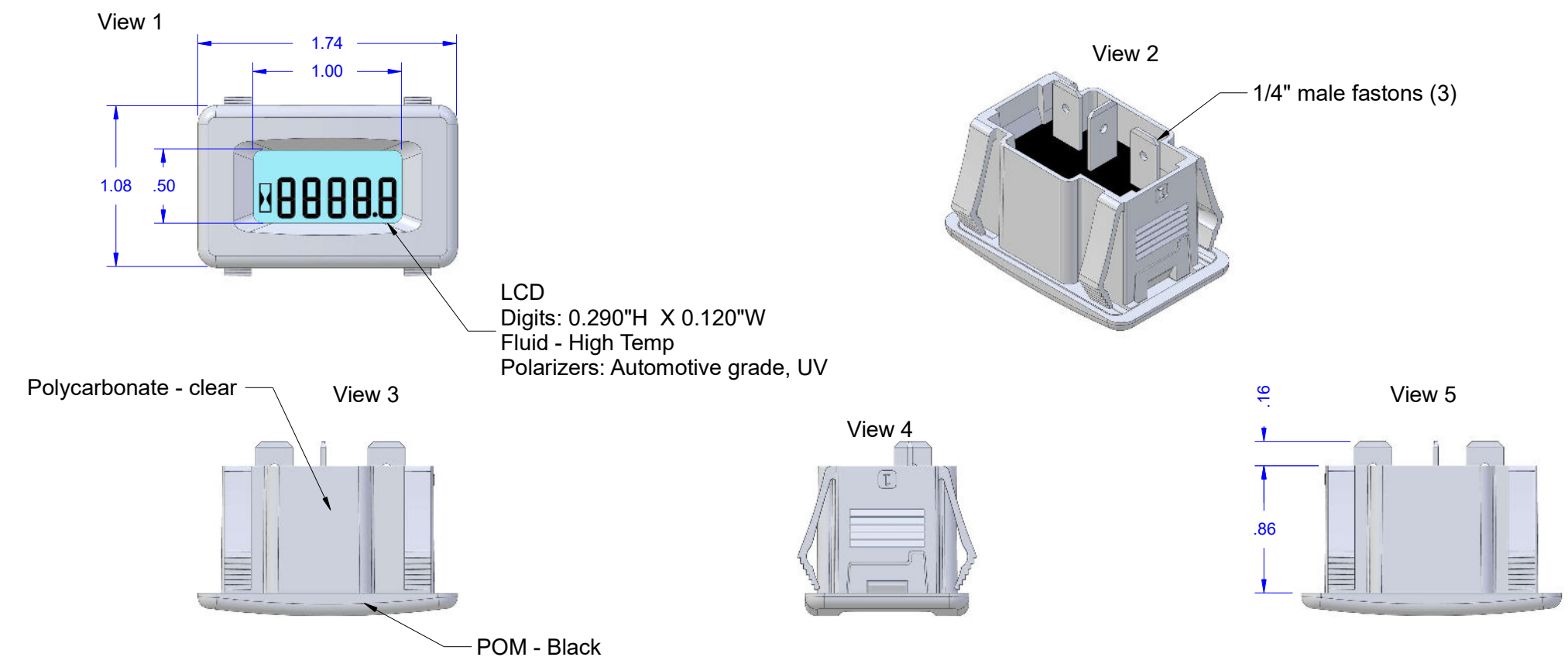


REVISIONS			
REV	DESCRIPTION	DATE	AUTH
A	Released to customer	12/15/2020	



ENVIRONMENTAL TESTS

Test	Limits
Ingress	IEC 60529 IP67
Immersion	EP455 5.5 level 1
UV	720 hours Q-Sun Xe-1-UV chamber
Salt Exposure	EP455-5.9
Chemical Exposure	EP455-5.8: Motor oil,hydraulic oil, Axle grease,Gasoline, Diesel fuel, degreaser, detergent fertilizer, waxes, Dogfish Head 120 minute IPA
Humidity	SAE J1378
Vibration	SAE J1378
Shock	SAE J1378

ELECTRICAL TESTS

Test	Limits
ESD	ANSI/SAE EP455 section 5.12.1
Reverse Voltage Protection	ANSI/SAE EP455 section 5.10.3
Alternator Field Decay	ANSI/SAE EP455 section 5.11.2
Inductive Load Switching	ANSI/SAE EP455 section 5.11.4
Alternator Load Dump	ANSI/SAE EP455 section 5.11.5
Electromagnetic Field Immunity	CENELEC EN 61000-4-3:2002
Electrically Fast Transients (EFT)	CENELEC EN 61000-4-4:2004
Surges	CENELEC EN 61000-4-5:1995+A1:2001
Conducted RF	CENELEC EN 61000-4-6:2007
Magnetic Fields	CENELEC EN 61000-4-8:1993+A1:2001

LV Input
Input Impedence (Ohms) 1.9K - 2.1K
Threshold V 6.8
Max Continous V (+/- VDC/AC RMS) 20V

HV Input
Input Impedence (Ohms) 266K - 294K
Threshold V 2.8
Max Continous V (+/- VDC/AC RMS) 277V

HOURLMETER FUNCTION

Function	Specification	Comment
Hour Meter	0 - 9999.9 / 10000 - 99999 Hrs.	Auto roll over from tenths resolution to hours resolution
Run Indicator	Hour Glass Flashes at 1Hz	
Timing Accuracy	=/- 100 ppm - 0.04 ppm x (ambient 0 25C)*2 AT 70C, +19 and -181 ppm	
Input Options	DCV, ACV, Ignition	
Endurance (write cycles)	Infinite	SRAM storage
Logging Response Time	1 second maximum	Average start delay - stop delay = 0

 GLOBAL DIGITAL INSTRUMENTS LLC 151 PERINTON PKWY FAIRPORT, NEW YORK 14450	PERSONNEL DESIGNED BY Herb Ley	DATE 1-24-2017	FOR USE BY AFFILIATES OF GLOBAL DIGITAL INSTRUMENTS LLC. THIS DOCUMENT IS OWNED BY GLOBAL DIGITAL INSTRUMENTS LLC AND CONTAINS PROPRIETARY INFORMATION. THIS DOCUMENT MAY NOT BE REPRODUCED OR DISCLOSED WITHOUT PRIOR WRITTEN APPROVAL. VALIDITY OR CURRENCY OF PRINTED COPIES OF THIS DOCUMENT CAN NOT BE ASSURED. THE USER OF THIS DOCUMENT IS RESPONSIBLE FOR VERIFYING THE CURRENT ISSUE DATE AND REVISION LEVEL.	
	3D Herb Ley	1-24-2017		
	2D Herb Ley	1-24-2017		
	Places X.X X.XX X.XXX	Tolerance 0.030 0.020 0.010	GDI PN E330-0300-8112	Scale 1 : 1 Dimensions in: INCHES