



DT100 SIR

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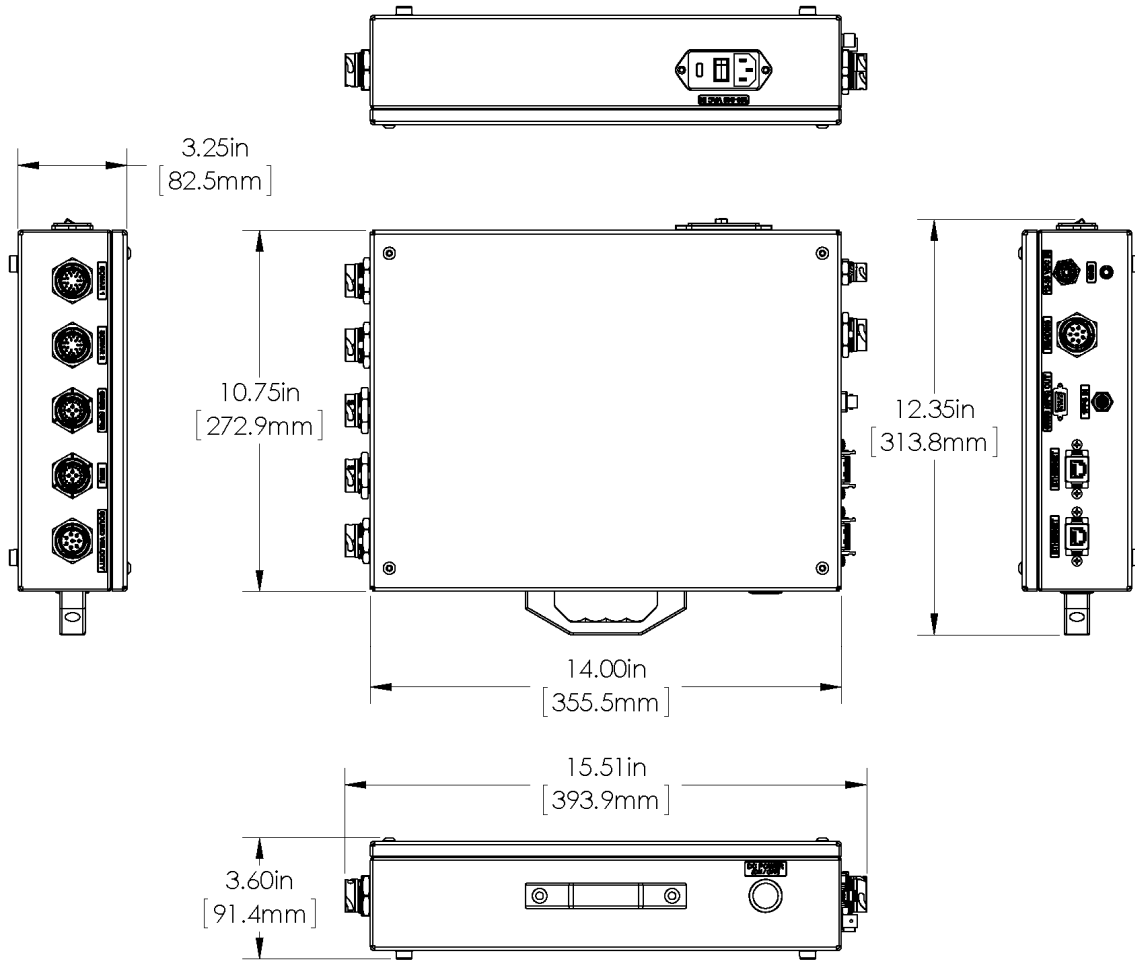
IMAGENEX MODEL DT100 SIR SENSOR INTERFACE RELAY



The new DT100 Sensor Interface Relay (SIR) provides a central connection point for all your bathymetric sensors including sonar (1 or 2 units), GPS, MRU, Gyro/Heading, and Sound Velocity. Powered by AC or DC, the SIR box provides DC operating voltages for each of your sensors. Sensor messages are time stamped and stored at their native update rates with a timestamp accuracy of 100 microseconds.

HARDWARE SPECIFICATIONS:	
INTERFACES TO:	DT100, Delta T, or Odom ES3 w/ext. sync. (1 or 2 units) GNSS (GPS) – \$GPGGA, \$GPVTG, \$GPZDA Motion Reference Unit – TSS1 format Gyro / Heading Sensor – \$HEHDT Sound Velocity Sensor – AML format
1PPS INPUT	Input selectable between GNSS (GPS) connector or 1PPS IN BNC connector
HEADING INPUT	Input selectable between GNSS (GPS) connector or HEADING connector
GNSS (GPS) OUPUT For direct connection to HYPACK acquisition PC	RS-232 output containing buffered GNSS (GPS) sentences with a 1 second PPS toggle on the CTS line (Pin 8), eliminating the need for a Hypack 1PPS box
CONNECTORS	2 port Ethernet switch (DT100 PC and Survey PC) Samtec ACRK series for sensors
POWER INPUT	100 – 240 VAC or 12 – 36 VDC input range
POWER OUTPUT	+12 VDC or +24 VDC (selectable for each sensor)
DIMENSIONS	393.9 mm (15.51") L x 313.8 mm (12.35") H x 91.4 mm (3.60") W
WEIGHT	3.4 kg (7.5 lbs)
MATERIALS	5052 Aluminum
FINISH	Polyester Powder Coat

SOFTWARE SPECIFICATIONS:	
WINDOWS™ OPERATING SYSTEM	DT100_SIR.exe Windows™ XP, Vista, 7, 8, 10
FILE FORMAT: RAW DATA PROFILE POINT	(filename).D1R (filename).D1P
RECOMMENDED MINIMUM COMPUTER REQUIREMENTS:	2 GHz Pentium 4 256 MB RAM 20 GB Hard Disk 1024 x 768 screen resolution



ORDERING INFORMATION:		
Sensor Interface Relay box (DT100 SIR)	Standard	837-000-007

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