

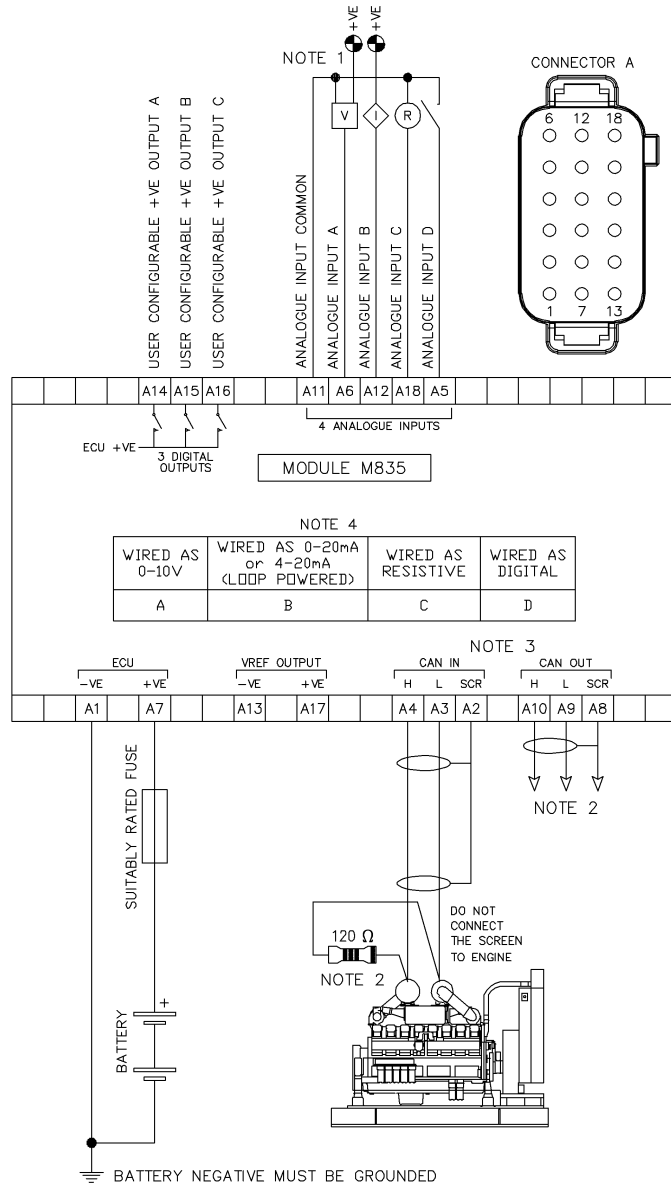
TYPICAL CONNECTIONS



DEEP SEA ELECTRONICS DSEM835 Installation Instructions

These instructions are intended as a quick guide only. For complete instructions and specifications, refer to DSE publication 057-313 *DSEM835 Operator Manual* available from www.deepseaelectronics.com.

For connection to the device by a PC with CODESYS, a PC USB to CAN Interface is required as detailed below.



NOTE 1. ANALOGUE INPUT COMMON MUST NOT BE GROUNDED, IT IS LINKED INTERNALLY TO TERMINAL A1.

NOTE 2. 120 Ω TERMINATING RESISTOR MAY BE REQUIRED EXTERNALLY, SEE EXTERNAL EQUIPMENT MANUFACTURERS LITERATURE FOR FURTHER DETAILS.

NOTE 3. CAN IN AND CAN OUT ARE LINKED INTERNALLY.

NOTE 4. ANALOGUE INPUTS CAN BE CONFIGURED AS EITHER A DIGITAL INPUT, RESISTIVE INPUT, 0-10V INPUT, 0-20mA, 4-20mA INPUT, OR ANY COMBINATION OF THE ABOVE.

NOTE: Cables / wires must be installed as indicated to prevent liquid (water) entering the device. Part number of suitable connectors / blanking plugs are given overleaf and detailed in DSE publication 057-313 *DSEM835 Operator Manual* available from www.deepseaelectronics.com.

NOTE: Interference coupling must be avoided by correctly handling unused cable cores.

NOTE: Software and associated Device Descriptors are available from www.deepseaelectronics.com.

NOTE: DSE Stock and supply PCAN-USB IPEH-002021 from Peak Systems (<https://www.peak-system.com>). DSE Part number 016-179. Contact sales@deepseaelectronics.com.

Deep Sea Electronics Ltd.

Tel: +44 (0)1723 890099

sales@deepseaelectronics.com

Web: www.deepseaelectronics.com

Deep Sea Electronics Inc.

Tel: +1 (815) 316-8706

Fax: +1 (815) 316-8708

sales@deepseaelectronics.com

Web: www.deepseaelectronics.com

DIMENSIONS

Description	Specification
Overall Dimensions (Height x Width x Depth)	112.5 mm x 115.0 mm x 49.0 mm (4.43 " x 4.53 " x 1.93 ")
Mounting Type	Fascia Mount
Overall Weight	<1 kg (2.2 lb)
Panel Cut-Out diameter	82 mm (3.23 ")
Panel Cut-Out Flat Side Dimension	76.0 mm (2.99 ")
Fascia Tightening Torque to prevent distortion of the sealing gasket and subsequent seal failure / mechanical damage to the controller.	8 Nm Maximum (5.9 ft. lb Maximum)

CONNECTORS, HARNESSES AND SPARE PARTS

Description	DSE Part	Manufacturer Part	Manufacturer
DSEM835 Connector A	007-850	DT16-18SA-K004	TE / Deutsch
Connector Pin Crimp (0.5 mm ² to 1.0 mm ²)	N/A	0462-201-16	TE
Connector Pin Crimp (2 mm ²)		0462-209-16	TE
DSEM835 Connector Harness Kit	016-176	N/A	DSE
DSEM835 Connector Configuration Harness.	016-177	N/A	DSE
Pin Blank Inserts (Seals unused connector pins)	N/A	114017	TE
Belden 9841 (CAN Cable)	016-030	9841	Belden
PCAN-USB PC Configuration Interface	016-179	IPEH-002021 or IPEH-002022	PEAK-System Technik GmbH
Rear Case Ring Nut	020-1058-01	N/A	DSE

DIMENSIONS AND PANEL CUTOUT DIAGRAM

