

DSE890 MKII DSEWebNet® / IoT 4G Gateway (GSM/Ethernet)

Remote Communications Interface

The DSE890 MKII 4G gateway is used in conjunction with supported DSE controllers to provide remote monitoring and communications data via DSEWebNet® or third party MQTT brokers.

The DSE890 MKII gateway communicates with up to five connected DSE controllers, monitoring instrumentation and operating states. When this data changes, data is logged internally and transmitted from the gateway device to the DSEWebNet® or MQTT broker (Amazon Web Services, Google, IBM etc..).

DSEWebNet® software is accessed using an Internet browser or the dedicated app. Users are able to perform multiple tasks including: monitoring equipment, clearing alarm conditions, starting/stopping equipment and monitoring fuel levels.

The IoT feature of the DSE890 MKII supports MQTT V 3.1.1 (ISO/IEC 20922:2016). This enables connection to a third party server that is running an MQTT broker, whilst simultaneously supporting connection to the DSEWebNet® server.

For additional information on DSEWebNet® software refer to data sheet 055-192.

Note: The DSE890 MKII also supports 2G & 3G connections.



SPECIFICATIONS

DC SUPPLY CONTINUOUS VOLTAGE RATING

8 V to 36 V continuous

CRANKING DROPOUTS

Able to survive 0 V for 100 mS, providing supply was at least 8 V before dropout and supply recovers to 8 V. This is achieved without the need for internal batteries

MAXIMUM OPERATING CURRENT

GSM	755 mA at 12 V
	376 mA at 24 V
GSM & GPS	755 mA at 12 V
	376 mA at 24 V

MAXIMUM STANDBY CURRENT

GSM	207 mA at 12 V
	113 mA at 24 V
GSM & GPS	207 mA at 12 V
	113 mA at 24 V

COMMUNICATIONS

USB (Single DSE Controller)
CAN* (Multiple DSE Controller)
RS485 (Multiple DSE Controllers)
Ethernet (Multiple DSE Controllers)

DIMENSIONS

85 mm x 149 mm x 51 mm

MOUNTING

DIN Rail
Chassis Mount

* Only active for third-party MQTT brokers.

PRODUCT

DSEWebNet® / IoT 4G Gateway - 4G (GSM & Ethernet)

ACCESSORIES

Combined 4G LTE (Main & Diversity) and GPS Antenna

RELATED MATERIALS

DSE890 MKII Installation Instructions
DSE890 MKII Operators Manual
DSEWebnet® Data Sheet
DSEWebnet® PC Internet Browser Software Manual
DSEWebnet® Smart Device Software Manual

PART NO.

0890-04

PART NO.

020-1053

PART NO.

053-247

057-304

055-192

057-168

057-235

COMPATIBLE DSE CONTROLLERS

For a complete list of DSE controllers compatible with the DSE890 MKII Gateway, please refer to the operators manual (057-304).

DEEP SEA ELECTRONICS UK

T: +44 (0) 1723 890099
E: sales@deepseaelectronics.com
W: www.deepseaelectronics.com

DEEP SEA ELECTRONICS USA

T: +1 (815) 316 8706
E: usasales@deepseaelectronics.com
W: www.deepseaelectronics.com

DEEP SEA ELECTRONICS UAE

T: +971 (0) 45910819
E: uaesales@deepseaelectronics.com
W: www.deepseaelectronics.com

DEEP SEA ELECTRONICS INDIA

T: +91 20 68195900
E: sales@deepseaelectronics.com
W: www.deepseaelectronics.com