DSEGenset®

DSE

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

The DSE**890 MKII** 4G gateway is used in conjunction with supported DSE controllers to provide remote monitoring and communications data via DSE**WebNet**® or third party MQTT brokers.

The DSE**890 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 DSE**WebNet**® or MQTT broker (Amazon Web Services, Google, IBM etc..).

DSE**WebNet**® 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 DSE**890 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 DSE**WebNet**® server.

For additional information on DSE**WebNet**® software refer to data sheet 055-192.

Note: The DSE**890 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
DSE**WebNet**® / IoT 4G Gateway - 4G (GSM & Ethernet)

PART NO.
0890-04

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

PART NO.
020-1053

RELATED MATERIALS
	PART NO.
DSE**890 MKII** Installation Instructions	053-247
DSE**890 MKII** Operators Manual	057-304
DSE**Webnet**® Data Sheet	055-192
DSE**Webnet**® PC Internet Browser Software Manual	057-168
DSE**Webnet**® Smart Device Software Manual	057-235

COMPATIBLE DSE CONTROLLERS

For a complete list of DSE controllers compatible with the DSE**890 MKII** Gateway, please refer to the operators manual (057-304).