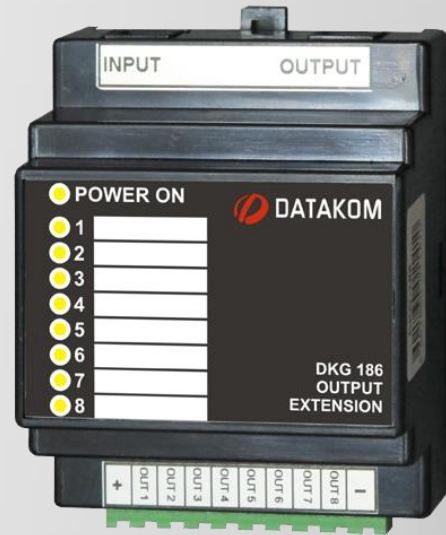


DKG-186

FET EXTENSION UNIT



DESCRIPTION

The DATAKOM Fet Extension unit is used to increase the number of digital outputs of a DKG-xxx genset control module.

The fet extension unit provides 8 overload and short circuit protected mosfet outputs pulling to battery negative when active.

The Fet Extension unit is universal and can be used together with any DKG-xxx unit featuring an extension connector. DKG-xxx modules support generally a maximum of 2 or 4 extension modules, which provides a maximum of 16 or 32 digital outputs.

The units are cascadable. The output connector of each module connects to the input connector of the next module. It is also possible to combine a Fet Extension module together with a Relay Extension module.

Any output function can be assigned to any digital output. Digital output functions are programmed through the DKG-xxx modules, changing the extension module will not affect output functions.

The unit is designed to be mounted on a DIN Rail, inside a panel. Its size is equivalent to 4 standard circuit breakers.

The unit is powered up from the genset battery. Connections are made with a 2 part plug and socket connector.

FEATURES

- * **8 protected mosfet outputs**
- * **Cascadable for more outputs**
- * **DIN rail mounted**
- * **Compact size**
- * **Plug-in connection system for easy replacement**

TECHNICAL SPECIFICATIONS

DC Supply Range: 8.0 to 30.0 V-DC

Typical Operating Current: 10 mA-DC

Digital Outputs: 1A @ 28V (protected semiconductor outputs)

Operating temp.: -20°C (-4°F) to 70 °C (158°F).

Storage temp.: -40°C (-40°F) to 80 °C (176°F).

Maximum humidity: 95% non-condensing.

Dimensions: 70 x 106 x 58 mm (WxHxD)

Weight: 110 g (approx.)

CONNECTION DIAGRAM

