# **DKG-188**

# INPUT EXTENSION UNIT



#### DESCRIPTION

The DATAKOM DKG-188 Input Extension unit is used to increase the number of digital inputs of a DKG-xxx genset control module.

The module provides 8 digital inputs. The input signal is "close to battery negative" type when active.

The Input 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 additional digital outputs.

The units are cascadable. The output connector of each module connects to the input connector of the next module.

Any input function can be assigned to any digital input. Digital input 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 connectors.

#### **FEATURES**

- \* 8 digital inputs
- \* Cascadable for more inputs
- \* DIN rail mounted
- \* Compact size
- \* Plug-in connection system for easy replacement

### **TECHNICAL SPECIFICATIONS**

DC Supply Range: 8.0 to 36.0 V-DC Typical Operating Current: 10 mA-DC Input threshold: 2.0 V-DC (typical) Input Voltage Range: -20 to +50 V-DC

Operating temp.:  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ) to 70 °C (158°F). Storage temp.:  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ) to 80 °C (176°F). Maximum humidity: 95% non-condensing. Dimensions: 70 x 106 x 58 mm (WxHxD)

Weight: 110 g (approx.)

## **CONNECTION DIAGRAM**



