

# IKD-OUT-16

## Digital Output Expansion Module





- › 16 configurable relay outputs
- › Plug-and-play integration
- › High Packing Density
- › Third-party PLC compatibility
- › No configuration tool required

The IKD-OUT-16 offers a versatile and intelligent solution for expanding the number of digital outputs on Woodward power management controllers or serving as a remote output module within your PLC-based control system.

The IKD-OUT-16 output relays are controlled over the CAN bus connection from the main controller. Driving outputs is performed by LogicsManager™ in the main controller and transmitted to the IKD. The two parameters such as module address and CAN baud rate can simply be setup by onboard DIP switches. It allows you to connect one or more IKD-OUT-16 modules (see table Related Products below).

### Related products

SUPPORTED POWER MANAGEMENT CONTROLS	MAX. # OF IKD-OUT-16
easYgen-3000XT	2
Group Controller GC-3400XT-P1	1
LS-6XT-P1 (Package 1)	1
LS-6XT-P2 (Package 2)	2
easYgen-2000	1
easYgen-800/1500/1700/1800	1
DTSC-200 and -200A	1

- › 16 configurable relay outputs
- › Effortless plug-and-play compatibility with Woodward power management controls
- › Configuration, if required, is easily done via DIP switches — no software tools needed
- › Space-efficient design
- › CAN bus communication enables integration with third-party PLCs (see product manual 37968 for CAN bus data telegram details)
- › Visual Indicators: Power and CAN LEDs show CPU and CAN interface status
- › Certified Quality:  

# IKD-OUT-16

## Ordering Part Number

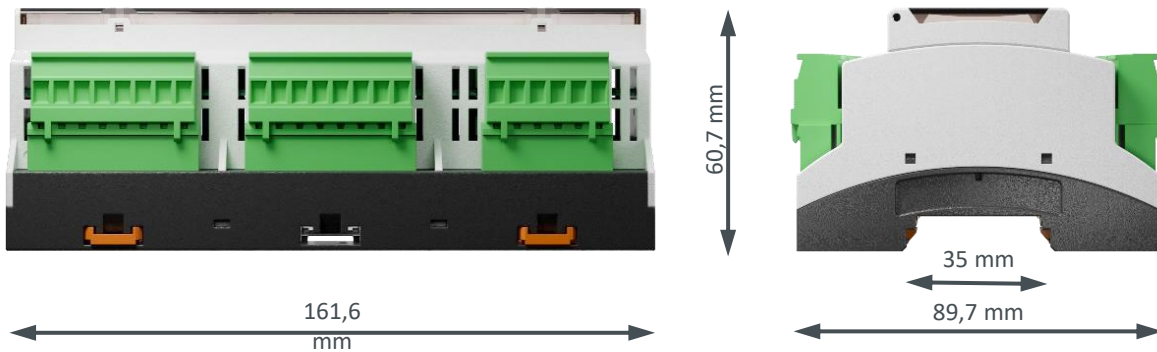
8440-2306

### Typical application

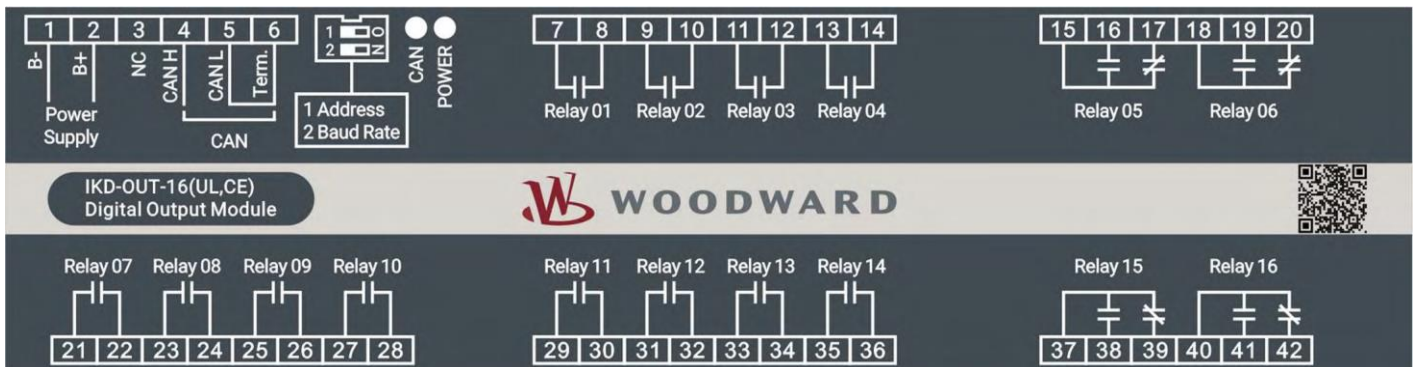
The control device's relay manager (LogicsManager™) controls the IKD-OUT-16 relays. The control logic for each IKD-OUT-16 relay can be programmed individually in the control device by LogicsManager™ Command Variables.



### Dimensions



### Terminal Diagram



## PRODUCT SPECIFICATION 37985

## IKD-OUT-16

## Specifications

**POWER**

<b>Power supply</b>	24 V <sub>DC</sub> (18 to 36 V <sub>DC</sub> )
Enhanced rating for operation within 0°C to 70°C [34 °F to 158°F]	12 V <sub>DC</sub> (11 to 36 V <sub>DC</sub> )
<b>Intrinsic consumption</b>	max. 7.5 W
<b>Reverse voltage protection</b>	Yes

**AMBIENT**

<b>Ambient temperature (operation)</b>	-20 to 70 °C / -4 to 158 °F
<b>Ambient temperature (storage)</b>	-30 to 80 °C / -22 to 176 °F
<b>Ambient humidity</b>	95%, non-condensing



**RELAY OUTPUTS**

<b>Relay outputs</b>	Isolated
<b>Contact material</b>	AgSnO <sub>2</sub>
<b>2 pole relays (Form A)</b>	12 x configurable relays 3 A @ 30 V <sub>DC</sub> 3A @ 250 V <sub>AC</sub> 5 A @ 125 V <sub>AC</sub> resistive
<b>3 pole relays (Form C)</b>	4 x configurable relays 2 A @ 24 V <sub>DC</sub> inductive 1.6 A @ 250 V <sub>AC</sub> general purpose

**CAN INTERFACE**

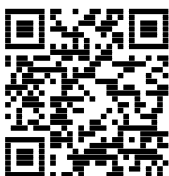
<b>CAN Interface</b>	Isolated
<b>Insulation voltage (continuous)</b>	2500 V <sub>DC</sub>
<b>Communication</b>	CANopen PDO System
<b>Internal line termination</b>	Yes (terminal 5,6)

**HOUSING**

<b>Housing DIN-rail mounting</b>	Plastic housing
<b>Dimensions WxHxD</b>	161.6 × 89.7 × 60.7 mm
<b>Connection</b>	screw-plug-terminals 2.5 mm <sup>2</sup>
<b>Protection system</b>	IP20
<b>Weight</b>	approx. 600 g
<b>Disturbance test (CE)</b>	tested according to applicable IEC standards
<b>Listings</b>	 

## Product Documents and Files

<http://wwdmanuals.com/IKD-IN-16/>



## Commercial support

[industrial.salesPG@woodward.com](mailto:industrial.salesPG@woodward.com)

## Technical support

[industrial.support@woodward.com](mailto:industrial.support@woodward.com)

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