

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 KD-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

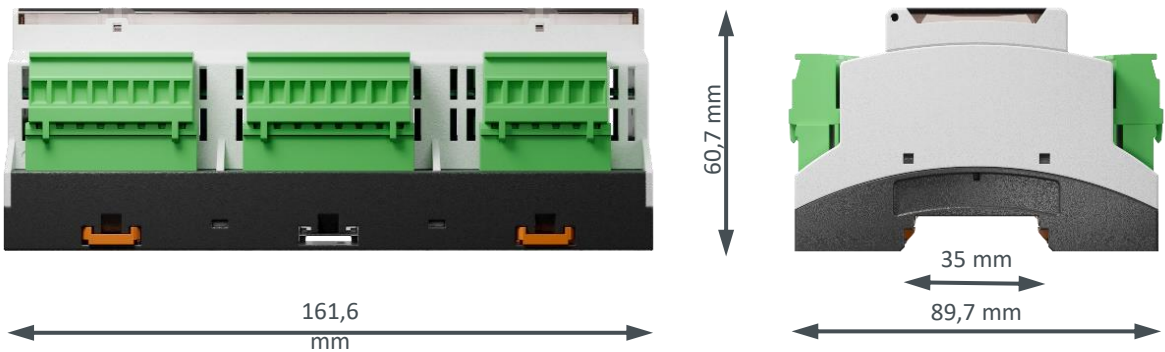
Ordering Part Number
8440-2306

Typical application

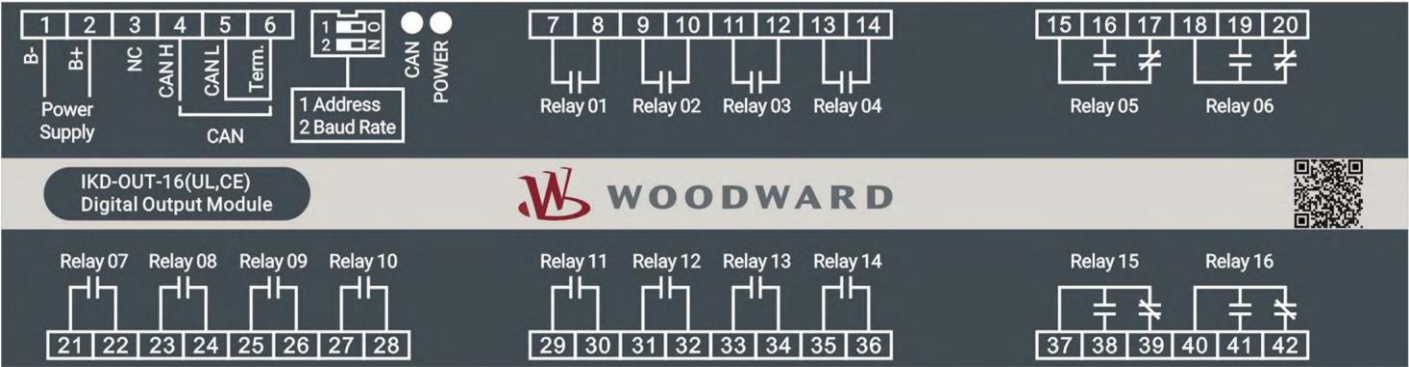
The control device's relay manager (LogicsManager™) controls the IKD-OUT-16 relays. The control logic for each IKD-OUT-16 relay can be programmed individually in the control device by LogicsManager™ Command Variables.



Dimensions



Terminal Diagram



IKD-OUT-16

Specifications

POWER

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

AMBIENT

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



RELAY OUTPUTS

Relay outputs	Isolated
Contact material	AgSnO ₂
2 pole relays (Form A)	12 x configurable relays 3 A @ 30 V _{DC} 3A @ 250 V _{AC} 5 A @ 125 V _{AC} resistive
3 pole relays (Form C)	4 x configurable relays 2 A @ 24 V _{DC} inductive 16 A @ 250 V _{AC} general purpose

CAN INTERFACE

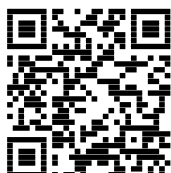
CAN Interface	Isolated
Insulation voltage (continuous)	2500 V _{DC}
Communication	CANopen PDO System
Internal line termination	Yes (terminal 5,6)

HOUSING

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

Product Documents and Files

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



Commercial support

industrial.salesPG@woodward.com

Technical support

industrial.support@woodward.com

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