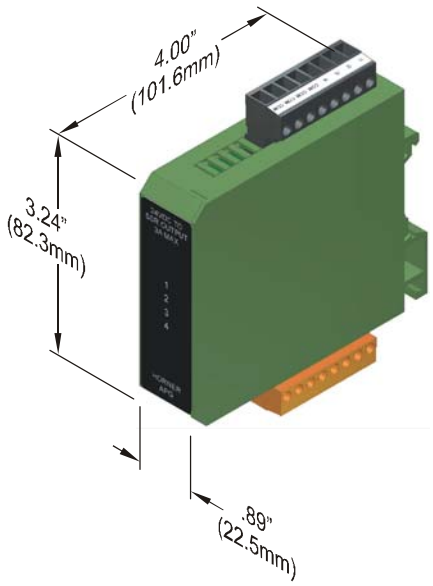
OCS
HEXDQR
4 Channel Relay Output Adapter for Positive Logic PLC DC Outputs

SPECIFICATIONS

HEXDQR Specifications	
Relay Output Specifications	
Channels per Module	4
Isolated Commons	4
Nominal Load Voltage	120 / 240 VAC / 24 VDC
Maximum Load Voltage	250 VAC / 30 VDC
Input Specifications	
Nominal DC Input Impedance	1.7K OHMS
ON Input Level	17 VDC Min.
OFF Input Level	2.4 VDC Max.
Maximum DC input Range	-0.3 to +30 VDC
AC Isolation to PLC Common	1500 VDC
Maximum ON Load Current	10A AC
Maximum OFF Leakage Current at 120 VAC	5uA AC
ON Response Time Excluding PLC Scan Time	10 ms Max
OFF Response Time Excluding PLC Scan Time	10 ms Max
Status Indication	4 LEDs
DC Input Type	Positive Logic, Sinking
General Specifications	
Steady State Power, Inputs ON	60 mA @ 24 VDC
Peak Supply Current	N/A
Operating Power Range	N/A
Safe Applied Power Range	N/A
Relative Humidity	5 to 95% Non-condensing
Operating Temperature	0° to 60° Celsius
Terminal Type	Screw Type, 5 mm Removable
Weight	120 grams
CE / UL	See Compliance Table at http://www.heapg.com/Pages/TechSupport/ProductCert.html

CONNECTOR WIRING	
ORANGE CONNECTOR P1	
PIN	DESCRIPTION
O1	Relay Ouput 1 (N.O.)
O1	Relay Ouput 1 (N.O.)
O2	Relay Ouput 2 (N.O.)
O2	Relay Ouput 2 (N.O.)
O3	Relay Ouput 3 (N.O.)
O3	Relay Ouput 3 (N.O.)
O4	Relay Ouput 4 (N.O.)
O4	Relay Ouput 4 (N.O.)
BLACK CONNECTOR P2	
PIN	DESCRIPTION
I1	DC Input 1 from PLC
I2	DC Input 2 from PLC
I3	DC Input 3 from PLC
I4	DC Input 4 from PLC
COM	PLC Common
COM	PLC Common
COM	PLC Common
COM	PLC Common



6 Safety

When found on the product, the following symbols specify:

Warning: Electrical Shock Hazard.

Warning: Consult user documentation.

WARNING: To avoid the risk of electric shock or burns, always connect the safety (or earth) ground before making any other connections.
WARNING: To reduce the risk of fire, electrical shock, or physical injury it is strongly recommended to fuse the voltage measurement inputs. Be sure to locate fuses as close to the source as possible.
WARNING: Replace fuse with the same type and rating to provide protection against risk of fire and shock hazards.
WARNING: In the event of repeated failure, do not replace the fuse again as a repeated failure indicates a defective condition that will not clear by replacing the fuse.
WARNING: Only qualified electrical personnel familiar with the construction and operation of this equipment and the hazards involved should install, adjust, operate, or service this equipment. Read and understand this manual and other applicable manuals in their entirety before proceeding. Failure to observe this precaution could result in severe bodily injury or loss of life.

7 Technical Support

For assistance and manual updates, contact Technical Support at the following locations:

North America:
(317) 916-4274
www.heapg.com
email: techsppt@heapg.com

Europe:
(+) 353-21-4321-266
www.horner-apg.com
email: techsupport@hornerirl.ie

- All applicable codes and standards need to be followed in the installation of this product.
- Adhere to the following safety precautions whenever any type of connection is made to the module:
  - Connect the safety (earth) ground on the power connector first before making any other connections.
  - When connecting to electric circuits or pulse-initiating equipment, open their related breakers.
  - Do not make connections to live power lines.
  - Make connections to the module first; then connect to the circuit to be monitored.
  - Route power wires in a safe manner in accordance with good practice and local codes.
  - Wear proper personal protective equipment including safety glasses and insulated gloves when making connections to power circuits.
  - Ensure hands, shoes, and floor are dry before making any connection to a power line.
  - Make sure the unit is turned OFF before making connection to terminals.
  - Make sure all circuits are de-energized before making connections.
  - Before each use, inspect all cables for breaks or cracks in the insulation. Replace immediately if defective.