



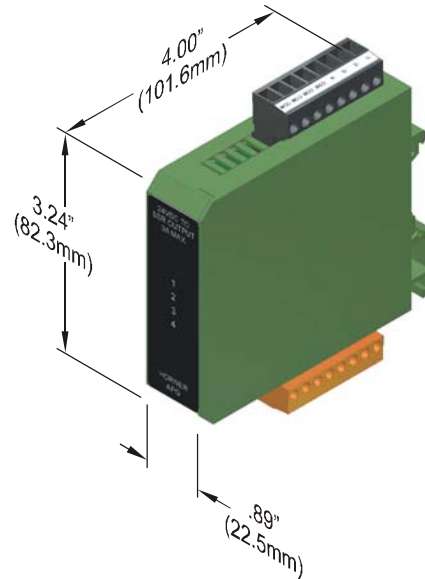
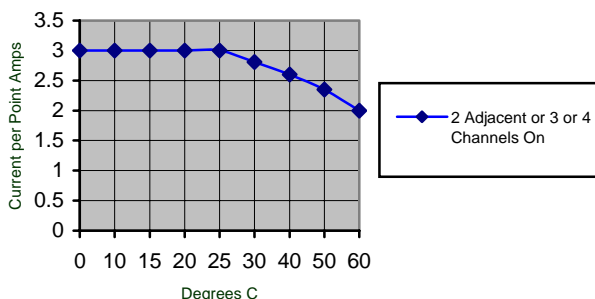
**OCS
HEXDQD
4 Channel AC/DC SSR Output Adapter for
Positive Logic PLC DC Outputs**

SPECIFICATIONS

HEXDQD Specifications	
Solid State Output Specifications	
Channels per Module	4
Isolated Commons	4
Nominal Load Voltage	24 VDC / VAC
Maximum Load Voltage	30VDC / 24 VAC
Input Specifications	
Nominal DC Input Impedance	4K OHMS
ON Input Level	18VDC Min.
OFF Input Level	6VDC Max.
Maximum DC input Range	-0.3 to +30 VDC
AC Isolation to PLC Common	1500 VDC
Maximum ON Load Current See derating chart.	3A AC/DC
Maximum OFF Leakage Current at 120 VAC	10uA AC/DC
ON Response Time Excluding PLC Scan Time	5 ms Max
OFF Response Time Excluding PLC Scan Time	3 ms Max
Status Indication	4 LEDs
DC Input Type	Positive Logic, Sinking
General Specifications	
Steady State Power, Inputs ON	25 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	107 grams
CE	See Compliance Table at http://www.heapg.com/Pages/TechSupport/ProductCert.html
UL	

CONNECTOR WIRING	
ORANGE CONNECTOR P1	
PIN	DESCRIPTION
O1	Solid State Output 1 (N.O.)
O1	Solid State Output 1 (N.O.)
O2	Solid State Output 2 (N.O.)
O2	Solid State Output 2 (N.O.)
O3	Solid State Output 3 (N.O.)
O3	Solid State Output 3 (N.O.)
O4	Solid State Output 4 (N.O.)
O4	Solid State Output 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

Thermal Derating



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-appg.com
email: techsupport@homerirl.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.