CERTIFICATE OF COMPLIANCE

Certificate Number	20170720-E180220
Report Reference	E180220-20121117
Issue Date	2017-JULY-20
Issued to:	HORNER APG L L C 59 S STATE AVE INDIANAPOLIS IN 46201
This is to certify that representative samples of	PROGRAMMABLE CONTROLLERS FOR USE IN HAZARDOUS LOCATIONS See Addendum.
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	Standard for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations, ANSI/ISA 12.12.01. Standard for Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations, CAN/CSA C22.2 No. 213-M1987. Standard for Industrial Control Equipment, UL 508. Standard for Process Control Equipment, CAN/CSA C22.2 No. 142-M1987.
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.
The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with “C” and “US” identifiers: c UL us the word “LISTED”; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

ADDENDUM -

PRODUCT COVERED:

Open-Type Programmable Controllers, Models HE599DIM710, HE599DIM610, HE599DIM510, HE599DIQ512, HE599DQM602, HE599DQM502, HE599DQM506, HE599DQM606, HE599DQM706, HE599ADC170, HE599DAC101, HE599DAC106, HE599RTD100, HE599THM100, HE599MIX116, HE599LDX100, HE599ADC270, may be followed by a suffix, for use in Class I, Div. 2 Groups A, B, C and D Hazardous Locations.

RATINGS:

Electrical - The electrical ratings are summarized in the following tables.

Load Type: Resistive Loads Only

INPUT / OUTPUT Modules:

Models	System Power	Input Rating	Output Rating	
			Relay	Transistor
HE599DIM710	5 Vdc, 50 mA	24 Vdc, 4 mA/point, 32 point/COM	N/A	N/A
HE599DIM610	5 Vdc, 40 mA	24 Vdc, 4 mA/point, 16 point/COM	N/A	N/A
HE599DIM510	5 Vdc, 30 mA	24 Vdc, 4 mA/point, 8 point/COM	N/A	N/A
HE599DIQ512	5 Vdc, 280 mA	24 Vdc, 4 mA/point, 8 point/COM	24 Vdc, 220 Vac 2 A/point, 8 point/COM, MAX. 5 A/com	N/A
HE599DQM602	5 Vdc, 420 mA	N/A	24 Vdc, 220 Vac 2 A/point, 8 point/COM, MAX. 5 A/com	N/A

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HE599DQM502	5 Vdc, 250 mA	N/A	24 Vdc, 220 Vac 2 A/point, 8 point/COM, Max. 5 A/COM	N/A
HE599DQM506	5 Vdc, 40 mA	N/A	N/A	12/24 Vdc, 0.5 A/point, 8 point/COM, MAX. 2 A/COM
HE599DQM606	5 Vdc, 60 mA	N/A	N/A	12/24 Vdc, 0.5 A/point, 16 point/COM, MAX. 2 A/COM
HE599DQM706	5 Vdc, 200 mA	N/A	N/A	12/24 Vdc, 0.2 A/point, 32 point/COM, MAX. 2 A/COM

Special Modules:

Models	System Power	Input Rating *1	Output Rating *1
HE599ADC170	5 Vdc, 119 mA	15 Vdc, 25 mA/ch, 4ch	N/A
HE599DAC101	5 Vdc, 100 mA	N/A	15 Vdc, 25 mA/ch, 4ch
HE599DAC106	5 Vdc, 100 mA	N/A	15 Vdc, 25 mA/ch, 4ch
HE599RTD100	5 Vdc, 110 mA	15 Vdc, 25 mA/ch, 4ch	N/A

Models	System Power	Input Rating *1	Output Rating *1
HE599THM100	5 Vdc, 100 mA	15 Vdc, 25 mA/ch, 4ch	N/A
HE599MIX116	5 Vdc, 120 mA	15 Vdc, 25 mA/ch, 2ch	15 Vdc, 25 mA/ch, 2ch
HE599LDX100	5 Vdc, 300 mA	24 Vdc, 9 mA/ch, 2ch	Below 24 Vdc
HE599ADC270	5 Vdc, 150 mA	15 Vdc, 25 mA/ch, 8ch	N/A

Note *1 - All field-wiring connections to this unit shall be from Limited Voltage / Limited Current, below 24 Vdc isolated secondary source with an output fused with a 4 A fuse max. or Class 2 secondary circuits as defined in UL 508, 17th Edition.

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