ELECTRONIC PROPORTIONAL CONTROL UNIT
for proportional POSIFLOW solenoid valves

FEATURES
• Converts analog input control signals to coil current of a proportional solenoid valve by means of pulse width modulation
• Switch-off function at less than 2% of the maximum control signal
• Adjustable ramp control
• Output coil current independent of coil resistance (temperature) and supply voltage variations
• Min. and max. output coil current adjustable to required input control signal
• The electronic circuit is integrated in a housing connectable to a 3-terminal spade plug coil connector according to ISO 4400 / EN 175301-803, form A, DIN 43650, 11 mm, industry standard B or DIN 43650, 9,4 mm, industry standard B

GENERAL
Nominal voltage 24 V DC
Maximum current 1100 mA

CONSTRUCTION
Housing PA
Cover PA
Screw Zinc plated steel
Seals NBR

ELECTRICAL CHARACTERISTICS
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A (2)
Valve connection With 3 terminal plug connection
Control unit: E908A001 ISO 4400 / EN 175301-803, form A
Control unit: E908A003 DIN 43650, 11 mm, industry standard B
Control unit: E908A004 DIN 43650, 9,4 mm, industry standard B
( assembled to 200 mm cable )
Electrical safety IEC 335
Electrical enclosure protection IP65 (EN 60529)
Supply voltage DC (=) : 24V ±10 % ( U N ), max. ripple 10%

prefix option max. full load current Ic (mA) input control signal (selectable) Uc (V) power consumption (electronics) Icx (mA) (W) unit ambient temperature range type (1)
- 1100 0 - 10 0 - 20 4 - 20 0,8 -10 to +75 01 - 02

Switch-off current < 2% of max. input control signal
Adjustable offset Upwm 15 - 50 % E.D.
Adjustable full load Upwm 30 - 100 % E.D.
Ramp time Selectable on/off, adjustable 0,1 - 3 sec.
Adjustable switch frequency 40 - 700 Hz

SPECIFICATIONS

recommended for proportional valve types

<table>
<thead>
<tr>
<th>series</th>
<th>illustration</th>
<th>catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td>202A001V to 202A087V</td>
<td>01</td>
<td>E908A001</td>
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<tr>
<td>203B001V and 203B002V</td>
<td>02</td>
<td>E908A003</td>
</tr>
<tr>
<td>202A201V to 202A208V</td>
<td>01</td>
<td>E908A004</td>
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<tr>
<td>202A101V to 202A104V</td>
<td>01</td>
<td>E908A004</td>
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<tr>
<td>202A105V to 202B108V</td>
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(1) Refer to the dimensional drawings on the following page.
(2) The connector is supplied with each control unit. Do not use the standard connector mounted on the POSIFLOW solenoid valves.

PROPORTIONAL VALVES SUITABLE FOR CONTROL APPLICATIONS

<table>
<thead>
<tr>
<th>description</th>
<th>series</th>
<th>illustration</th>
<th>catalogue page</th>
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<tbody>
<tr>
<td>3-port proportional valve for pressure control</td>
<td>602</td>
<td></td>
<td>see &quot;Proportional Technology&quot; on: <a href="http://www.asco.com">www.asco.com</a></td>
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<tr>
<td>Posiflow proportional solenoid valves</td>
<td>202</td>
<td>See &quot;Proportional Technology&quot; on: <a href="http://www.asco.com">www.asco.com</a></td>
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<td>203</td>
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All leaflets are available on: www.asco.com
ELECTRONIC CONTROL UNIT FOR POSIFLOW SOLENOID VALVES SERIES 908

OPTIONS

• ASCO can offer any adaption or modification to the control unit to meet special requests from the users’ field

INSTALLATION

• The control unit can be mounted in any position without affecting operation
• The connector to ISO 4400 / EN 175301-803, form A, is supplied with each unit
• Catalogue number E908A004: The 4-terminal connector to ISO 4400 / EN 175301-803, form A, is supplied with each unit.
• The outlet to the solenoid valve is fitted with a 200 mm long cable with a connector to DIN 43650, 9,4 mm, industry standard B
• Installation and maintenance instructions are included with each control unit

ORDERING EXAMPLES:

pipe thread basic number

VOLTAGE-CURRENT / TIME DIAGRAM

1 Supply, 4 terminals, ISO 4400/EN 175301-803, form A
Solenoid valve connection:
2 3 terminals, ISO 4400/EN 175301-803, form A
3 3 terminals, DIN 43650, 11 mm, industry standard B
4 3 terminals, DIN 43650, 9,4 mm, industry standard B

DIMENSIONS (mm), WEIGHT (kg)

<table>
<thead>
<tr>
<th>type</th>
<th>catalogue number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
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<td>01</td>
<td>E908A001/004</td>
<td>98</td>
<td>70</td>
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(1) Weight without connector.