

## Digital DC Input Modules

### 1734 Digital DC Input Modules Technical Specifications

|                               | 1734-IB2                                                | 1734-IB4              | 1734-IB4D             | 1734-IB8              | 1734-IV2                      | 1734-IV4              | 1734-IV8              |
|-------------------------------|---------------------------------------------------------|-----------------------|-----------------------|-----------------------|-------------------------------|-----------------------|-----------------------|
|                               | <b>Sinking Input Modules</b>                            |                       |                       |                       | <b>Sourcing Input Modules</b> |                       |                       |
| Number of inputs              | 2                                                       | 4                     | 4                     | 8                     | 2                             | 4                     | 8                     |
| Diagnostics                   | —                                                       | —                     | Yes                   | —                     | —                             | —                     | —                     |
| Voltage, on-state input, nom  | 24V DC                                                  |                       |                       |                       |                               |                       |                       |
| Voltage, on-state input, min  | 10V DC                                                  |                       |                       |                       |                               |                       |                       |
| Voltage, on-state input, max  | 28.8V DC                                                |                       |                       |                       |                               |                       |                       |
| Input delay time, on to off   | 0.5 ms hardware + (0...65 ms selectable) <sup>(1)</sup> |                       |                       |                       |                               |                       |                       |
| Current, on-state input, min  | 2 mA                                                    |                       |                       |                       |                               |                       |                       |
| Current, on-state input, max  | 5 mA                                                    |                       |                       |                       |                               |                       |                       |
| Current, off-state input, max | 1.5 mA                                                  |                       |                       |                       |                               |                       |                       |
| POINTBus current (mA)         | 75 mA max @ 5V DC                                       |                       | 50 mA max @ 5V DC     | 75 mA max @ 5V DC     |                               |                       |                       |
| Power dissipation, max        | 0.7 W @ 28.8V DC                                        | 1.0 W @ 28.8V DC      | 0.6 W max @ 28.8V DC  | 1.6 W @ 28.8V DC      | 0.7 W @ 28.8V DC              | 1.0 W @ 28.8V DC      | 1.6 W @ 28.8V DC      |
| Thermal dissipation, max      | 2.4 BTU/hr @ 28.8V DC                                   | 3.4 BTU/hr @ 28.8V DC | 1.9 BTU/hr @ 28.8V DC | 5.5 BTU/hr @ 28.8V DC | 2.4 BTU/hr @ 28.8V DC         | 3.4 BTU/hr @ 28.8V DC | 5.5 BTU/hr @ 28.8V DC |
| Terminal base unit            | 1734-TB, 1734-TBS, 1734-TOP, or 1734-TOPS               |                       |                       |                       |                               |                       |                       |

<sup>(1)</sup> Input ON-to-OFF delay time is the time from a valid input signal to recognition by the module.

## Digital DC Output Modules

### 1734 Digital DC Output Modules Technical Specifications

|                               | 1734-OB2 <sup>(1)</sup>        | 1734-OB2E | 1734-OB2EP | 1734-OB4 <sup>(1)</sup> | 1734-OB4E | 1734-OB8 <sup>(1)</sup> | 1734-OB8E | 1734-OV2E                     | 1734-OV4E | 1734-OV8E |
|-------------------------------|--------------------------------|-----------|------------|-------------------------|-----------|-------------------------|-----------|-------------------------------|-----------|-----------|
|                               | <b>Sourcing Output Modules</b> |           |            |                         |           |                         |           | <b>Sinking Output Modules</b> |           |           |
| Number of outputs             | 2                              |           |            | 4                       | 4         | 8                       |           | 2                             | 4         | 8         |
| Diagnostics                   | —                              | Yes       | Yes        | —                       | Yes       | —                       | Yes       | Yes                           | Yes       | Yes       |
| Electronically protected      | Yes                            |           |            |                         |           |                         |           |                               |           |           |
| Voltage, on-state output, nom | 24V DC                         |           |            |                         |           |                         |           |                               |           |           |
| Voltage, on-state output, min | 10V DC                         |           |            |                         |           |                         |           |                               |           |           |

**1734 Digital DC Output Modules Technical Specifications**

|                               | 1734-OB2 <sup>(1)</sup>                   | 1734-OB2E | 1734-OB2EP                          | 1734-OB4 <sup>(1)</sup>             | 1734-OB4E | 1734-OB8 <sup>(1)</sup> | 1734-OB8E | 1734-OV2E                              | 1734-OV4E                          | 1734-OV8E                           |
|-------------------------------|-------------------------------------------|-----------|-------------------------------------|-------------------------------------|-----------|-------------------------|-----------|----------------------------------------|------------------------------------|-------------------------------------|
| Voltage, on-state output, max | 28.8V DC                                  |           |                                     |                                     |           |                         |           |                                        |                                    |                                     |
| Output current rating, max    | 2.0 A per module, 1.0 A per channel       |           | 4.0 A per module, 2.0 A per channel | 3.0 A per module, 1.0 A per channel |           |                         |           | 2.0 A max per module, 1.0 A per output | 3.0 A per module, 1.0 A per output | 3.0 A per module, 1.0 A per channel |
| POINTBus current (mA)         | 75                                        |           |                                     |                                     |           |                         |           |                                        |                                    |                                     |
| Power dissipation, max        | 0.8 W @ 28.8V DC                          |           | 3.4 W @ 28.8V DC                    | 1.2 W @ 28.8V DC                    |           | 2.0 W @ 28.8V DC        |           | 0.8 W max @ 28.8V DC                   | 1.2 W max @ 28.8V DC               | 2.0 W max @ 28.8V DC                |
| Thermal dissipation, max      | 2.7 BTU/hr @ 28.8V DC                     |           | 11.6 BTU/hr @ 28.8V DC              | 4.1 BTU/hr @ 28.8V DC               |           | 6.8 BTU/hr @ 28.8V DC   |           | 2.7 BTU/hr @ 28.8V DC                  | 4.1 BTU/hr @ 28.8V DC              | 6.8 BTU/hr @ 28.8V DC               |
| Terminal base unit            | 1734-TB, 1734-TBS, 1734-TOP, or 1734-TOPS |           |                                     |                                     |           |                         |           |                                        |                                    |                                     |

<sup>(1)</sup> Non-diagnostic, standard output modules.

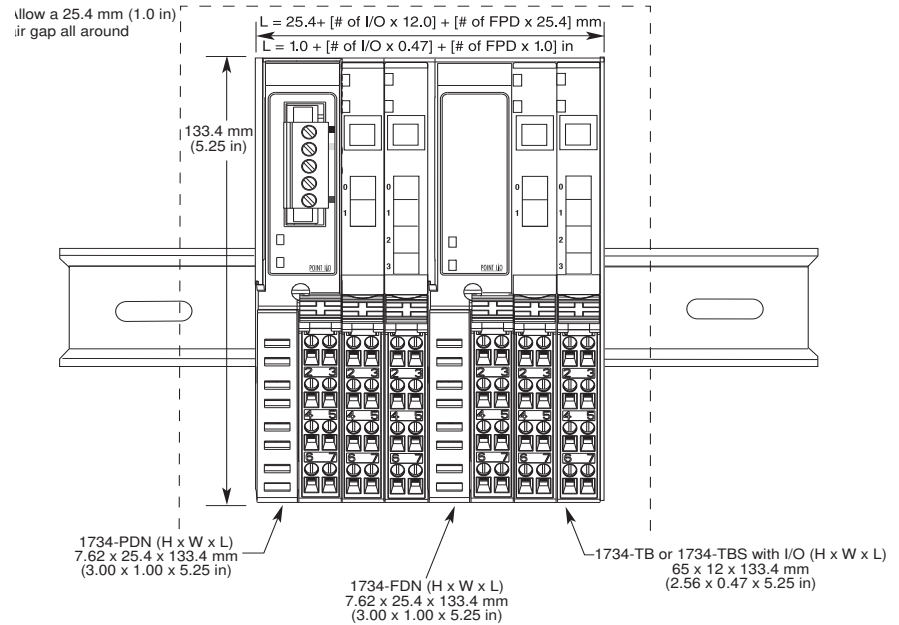
**Digital Contact Modules****1734 Digital Contact Modules Technical Specifications**

|                                        | <b>1734-OW2</b>                                             | <b>1734-OW4</b> | <b>1734-OX2</b>                                             |
|----------------------------------------|-------------------------------------------------------------|-----------------|-------------------------------------------------------------|
| Number of outputs                      | 2 N.O. relays                                               | 4 N.O. relays   | 2 Form C (N.O./N.C.) relays, isolated                       |
| Output delay time, on to off, max      | 26 ms <sup>(1)</sup>                                        |                 | 10 ms <sup>(1)</sup>                                        |
| Contact resistance, initial            | 30 mΩ                                                       |                 |                                                             |
| Leakage current, off-state output, max | 1.2 mA and bleed resistor through snubber circuit @ 240V AC |                 | 1.2 mA and bleed resistor through snubber circuit @ 240V AC |
| POINTBus current (mA)                  | 80                                                          |                 | 100                                                         |
| Power dissipation, max                 | 0.5 W                                                       |                 |                                                             |
| Thermal dissipation, max               | 1.7 BTU/hr                                                  |                 |                                                             |
| Terminal base unit                     | 1734-TB, 1734-TBS, 1734-TOP, or 1734-TOPS                   |                 |                                                             |

<sup>(1)</sup> Time from valid output off signal to relay deenergization by module.

## Approximate Mounting Dimensions

### POINT I/O with 1734-PDN Mounting Dimensions



#### IMPORTANT

When mounting the 1734-IB8S, 1734-OB8S, and 1734-IE4S modules, ensure that there is 2 in. of clearance space above the POINT rail.