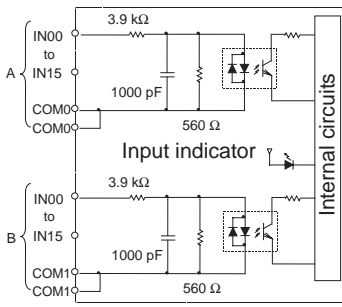
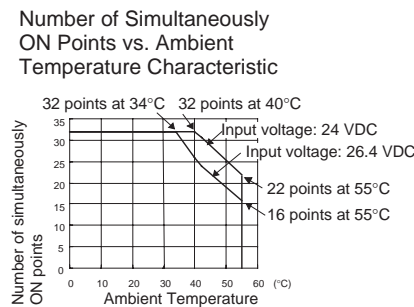
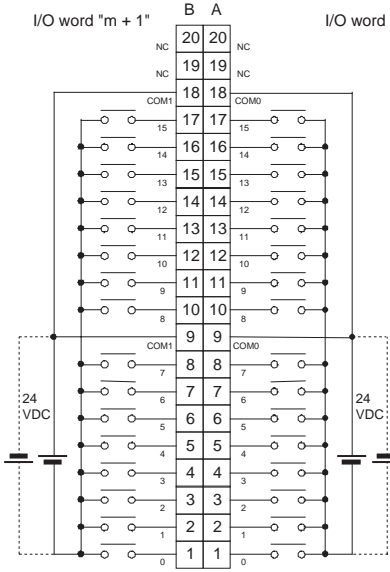


CS1W-ID231 DC Input Unit (32 Points)

Rated Input Voltage	24 V DC															
Allowable Input Voltage Range	20.4 to 26.4 V DC															
Input Impedance	3.9 kΩ															
Input Current	6 mA typical (at 24 V DC)															
ON Voltage/ON Current	15.4 V DC min./3 mA min.															
OFF Voltage/OFF Current	5 V DC max./1 mA max.															
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the PLC Setup.) (See note.)															
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the PLC Setup) (See note.)															
No. of Circuits	32 (16 points/common, 2 circuits)															
Number of Simultaneously ON Points	70% (11 points/common) (at 24 V DC) (Refer to the following illustrations.)															
Insulation Resistance	20 MΩ between external terminals and the GR terminal (100 V DC)															
Dielectric Strength	1,000 V AC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.															
Internal Current Consumption	150 mA max.															
Weight	200 g max.															
Accessories	One connector for external wiring (soldered)															
Circuit Configuration	 <p>Number of Simultaneously ON Points vs. Ambient Temperature Characteristic</p>  <table border="1"> <caption>Number of Simultaneously ON Points vs. Ambient Temperature</caption> <thead> <tr> <th>Ambient Temperature (°C)</th> <th>Number of Simultaneously ON Points (24 VDC)</th> <th>Number of Simultaneously ON Points (26.4 VDC)</th> </tr> </thead> <tbody> <tr> <td>34</td> <td>32</td> <td>32</td> </tr> <tr> <td>40</td> <td>32</td> <td>32</td> </tr> <tr> <td>55</td> <td>22</td> <td>22</td> </tr> <tr> <td>55</td> <td>16</td> <td>16</td> </tr> </tbody> </table>	Ambient Temperature (°C)	Number of Simultaneously ON Points (24 VDC)	Number of Simultaneously ON Points (26.4 VDC)	34	32	32	40	32	32	55	22	22	55	16	16
Ambient Temperature (°C)	Number of Simultaneously ON Points (24 VDC)	Number of Simultaneously ON Points (26.4 VDC)														
34	32	32														
40	32	32														
55	22	22														
55	16	16														
Terminal Connections	 <ul style="list-style-type: none"> • The input power polarity can be connected in either direction provided that the same polarity is set for rows A and B. • Both COM0 and COM1 have two pins each. Although they are internally connected, wire all points completely. 															

Note The ON response time will be 20 μs maximum and OFF response time will be 300 μs maximum even if the response times are set to 0 ms due to internal element delays.