## Series SQ1000

Plug-in Unit

How to Order Manifold


(2)
Note 1) Separately order the 20P type cable assembly for the P kit
Note 2) The maximum number of stations should not be more than the maximum number of solenoids. (The number of solenoids are counted as: 1 for single solenoids and 2 for type 3 P and 4 P double solenoids.)

## Series SQ1000

Manifold Option
Blanking plate
SSQ1000-10A-3

## How to Order Manifold Assembly (Example)

Example: D-sub connector kit, with cable (3 m)



Add the valve and option part numbers in order starting from the first station on the D side.
When entry of part numbers becomes complicated, indicate on the manifold specification sheet.

Manifold Specifications

| Base model | Porting specifications |  |  | Applicable solenoid valve | Type of connection | Applicable station | 5 station weight (g) | (4) <br> 1 station weight (g) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Port size ${ }^{(1)}$ |  |  |  |  |  |  |  |
|  | 1(P), 3(R) | 4(A), 2(B) |  |  |  |  |  |  |
|  |  | Port | Port size |  |  |  |  |  |
| SS5Q13- $\square \square-\square$ | $\left(\begin{array}{c} \mathrm{C8} \\ \text { (For } \varnothing 8 \text { ) } \\ \text { Option } \\ \text { Built-in } \\ \text { silencer, } \\ \text { direct exhaust } \end{array}\right)$ | Side | C3 (For ø3.2) <br> C4 (For ø4) <br> C6 (For ø6) <br> M5 (M5 thread) | $\begin{aligned} & \text { SQ1 } \square 30 \\ & \text { SQ1 } \square 31 \end{aligned}$ | F kit: D-sub connector | 1 to 12 stations | 420 | 20 |
|  |  |  |  |  | P kit: Flat ribbon cable | 1 to 12 stations | 420 | 20 |
|  |  |  |  |  |  | 1 to 9 stations |  |  |
|  |  |  |  |  | J kit: Flat ribbon cable PC Wiring System compatible | 1 to 8 statio | 420 | 20 |
|  |  | $\mathrm{Top}^{(2)}$ | L3 (For ø3.2) <br> L4 (For ø4) <br> L6 (For ø6) <br> L5 (M5 thread) |  |  | 1 to 8 stations |  |  |
|  |  |  |  |  | L kit: Lead wire | 1 to 12 stations | 460 | 35 |
|  |  |  |  |  | S kit: Serial transmission | 1 to 8 stations | 475 | 20 |

Note 1) One-touch fittings in inch sizes are also available. For details, refer to page 2-3-56.
Note 2) Can be changed to side ported configuration.
Note 3) An optional specification for special wiring is available to increase the maximum number of stations. Refer to page 2-3-54 for details.
Note 4) Except valves. For valve weight, refer to page 2-3-10.


F kit


L kit


S kit

## Series SQ1000

## S <br> Kit (Serial transmission unit)

The serial transmission system reduces wiring work, while minimizing wiring and saving space.

- The maximum number of stations is 8 . ( 16 as an option). Only for type J2 and R2, the maximum stations are 4 (8 as an option).

Manifold Specifications

| Series | Porting specifications |  |  | Maximum <br> number of <br> stations |
| :---: | :---: | :---: | :---: | :---: |
|  | Port <br> location | Port size |  |  |
| SQ1000 |  | C8 $2(\mathrm{~B})$ | C3, C4, C6, M5 | 8 stations |



- Stations are counted from station 1 on the $D$ side.
- Double wiring (connected to SOL. A and SOL. B) is adopted for the internal wiring of each station, regardless of valve and option types.

| Item | Specifications |
| :---: | :---: |
| External power supply | 24 VDC, $+10 \%,-5 \%$ |
| Current consumption <br> (Inside unit) | 0.1 A or less |

## - Corresponding SI unit output numbers and solenoid coils

 <Wiring example 1>| SI unit output no. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | A B | A B | A None | A None | A B |
| SI unit | Double | Double | Single | Single | Single |
| Stations | 1 | 2 | 3 | 4 | 5 |

## <Wiring example 2>

* Mixed wiring is available as an option. Specify the wiring specification by means of the manifold specification sheet. Refer to page 2-3-54 for details.

| SI unit output no. |  | $2 \quad 3$ |  | 5 | $6$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | A B | A B | A | A | A B |
| SI unit | Double | Double | Single | Single | Double |
| Stations | 1 | 2 | 3 | 4 | 5 |



## Series SQ1000

## S <br> Kit (Serial transmission unit)

|  | Type SDQ <br> OMRON Corporation DeviceNet, CompoBus/D | Type SDR1, SDR2 OMRON Corporation CompoBus/S System | Type SDV <br> Mitsubishi Electric Corporation CC-LINK System |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| $\begin{aligned} & \frac{5}{ \pm} \\ & \hline \\ & \hline 0 \\ & 0 \\ & \vdots \\ & \mathbb{O} \end{aligned}$ | LED Description <br> POWER Green light ON with circuit power input <br> MODD/ Light OFF: When the unit is not online <br> or circuit power is OFF <br>  Reen light ON continuously: When the <br> unit is online and in operation <br> abnormal transmission occurs <br>  Red light ON continuously: When <br> irreversible abnormal transmission occurs <br> or the same line is unable to go online | LED Description <br> POWER Light ON with transmission power <br> input, light Off without it <br> COMM Light ON with normal transmission, <br> light OFF with abnormal or standby <br> transmission <br> ERR. Light ON with abnormal transmission, <br> light Off with normal or standby <br> transmission | LED Description <br> POWER Light ON with transmission power input, <br> light Off without it <br> LRUN Light ON when receiving normal data <br> SD Light ON when sending data <br> RD Light ON when receiving data <br> LERR. Light ON with transmission error/setting <br> error, light blinks with changes in the <br> station no. or transmission speed setting |
| O $\cdots$ 0 0 0 0 0 0 0 |  |  |  |
| $\begin{aligned} & \text { O } \\ & \stackrel{0}{0} \end{aligned}$ | - DeviceNet <br> - OMRON Corporation CompoBus/D System Master unit: C200HW-DRM21 <br> - No. of output points, 16 points | - CompoBus/S System <br> Master unit: C200HW-SRM21 <br> Master unit: CQM1-SRM21 <br> - No. of output points, 16 points (Type SDR1) <br> No. of output points, 8 points (Type SDR2) | - CC-LINK System <br> Master unit: AJ61BT11 <br> Master unit: A1SJ61BT11 <br> Master unit: AJ61QBT11 <br> Master unit: A1SJ61QBT11 <br> - No. of output points, 16 points |




Dimensions
Formula: $\mathrm{L} 1=11.5 \mathrm{n}+67, \mathrm{~L} 2=11.5 \mathrm{n}+96.5 \mathrm{n}$ : Stations (Maximum 16 stations)

| $\mathbf{L}$ | $\mathbf{n}$ | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 0}$ | $\mathbf{1 1}$ | $\mathbf{1 2}$ | $\mathbf{1 3}$ | $\mathbf{1 4}$ | $\mathbf{1 5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{L 1}$ | $\mathbf{7 8 . 5}$ | $\mathbf{9 0}$ | 101.5 | 113 | 124.5 | 136 | 147.5 | 159 | 170.5 | 182 | 193.5 | 205 | 216.5 | 228 | 239.5 | 251 |
| $\mathbf{L 2}$ | 108 | 119.5 | 131 | 142.5 | 154 | 165.5 | 177 | 188.5 | 200 | 211.5 | 223 | 234.5 | 246 | 257.5 | 269 | 280.5 |
| $\mathbf{L 3}$ | 137.5 | 150 | 162.5 | 162.5 | 175 | 187.5 | 200 | 212.5 | 225 | 237.5 | 250 | 262.5 | 275 | 287.5 | 300 | 300 |
| $\mathbf{L 4}$ | 148 | 160.5 | 173 | 173 | 185.5 | 198 | 210.5 | 223 | 235.5 | 248 | 260.5 | 273 | 285.5 | 298 | 310.5 | 310.5 |

