



# API<sub>info</sub>

## API-1090G Range Tables

Following are the standard INPUT RANGE & ALARM CONFIGURATION tables used to configure the API-1090G DC Input, Dual Setpoint Alarm - Set switches A, B, C & D accordingly.

**EXAMPLE:** For 4-20mA DC Input, HI/LO Alarm, No Latching, Normal Operation  
Set Switches as follows: A = "I" (Current); B = "5"; C = "F"; D = "6"

| VOLTAGE Inputs<br>Set Switch A To "V" |                      | CURRENT Inputs<br>Set Switch A To "I" |                      |
|---------------------------------------|----------------------|---------------------------------------|----------------------|
| Range                                 | Switch Code<br>B & C | Range                                 | Switch Code<br>B & C |
| 0-50mV                                | 81                   | 0-1mA                                 | C1                   |
| 0-100mV                               | 91                   | 0-2mA                                 | 01                   |
| 0-200mV                               | A1                   | 0-4mA                                 | 11                   |
| 0-250mV                               | C1                   | 0-8mA                                 | 21                   |
| 0-400mV                               | B1                   | 2-10mA                                | 2F                   |
| 0-500mV                               | 01                   | 0-10mA                                | 41                   |
| -/+50mV                               | A4                   | 0-16mA                                | 31                   |
| -/+100mV                              | B4                   | 0-20mA                                | 51                   |
| 0-1V                                  | 11                   | 4-20mA                                | 5F                   |
| 0-2V                                  | 21                   |                                       |                      |
| 0-2.5V                                | 41                   |                                       |                      |
| 0-4V                                  | 31                   |                                       |                      |
| 1-5V                                  | 5F                   |                                       |                      |
| 0-5V                                  | 51                   |                                       |                      |
| 0-10V                                 | 61                   |                                       |                      |
| -/+5V                                 | 64                   |                                       |                      |
| -/+10V                                | 74                   |                                       |                      |

| ALARM CONFIGURATION |          |          |          |
|---------------------|----------|----------|----------|
| SP1/SP2             | LATCHING | NORM/REV | SWITCH D |
| HI/LO               | NO       | NORM     | 6        |
| HI/LO               | NO       | REV      | E        |
| HI/LO               | YES      | NORM     | 2        |
| HI/LO               | YES      | REV      | A        |
| HI/HI               | NO       | NORM     | 4        |
| HI/HI               | NO       | REV      | C        |
| HI/HI               | YES      | NORM     | 0        |
| HI/HI               | YES      | REV      | 8        |
| LO/LO               | NO       | NORM     | 7        |
| LO/LO               | NO       | REV      | F        |
| LO/LO               | YES      | NORM     | 3        |
| LO/LO               | YES      | REV      | B        |
| LO/HI               | NO       | NORM     | 5        |
| LO/HI               | NO       | REV      | D        |
| LO/HI               | YES      | NORM     | 1        |
| LO/HI               | YES      | REV      | 9        |

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