

## Injection Patch

The injection patch SPL0676 allows the input to process measurement equipment to be diverted from the input device to test equipment for routine maintenance. The injection patch is available in two different case sizes each with 4-20mA or 1-5V test output.

- With the switch in the NORMAL position the 4-20mA input on terminals 1 & 3 flows through to the output terminals 2 & 4 and ultimately to the input of the main plant equipment.  
This is the normal operating position.
- With the switch in the INJECT position a 4-20mA signal is injected through the top mounted INJECTION sockets.  
This signal will flow through to the output terminals 2 & 4 and ultimately to the input of the plant equipment under test.  
The normal 4-20mA input (1 & 3) is terminated by a 100 ohm resistor.  
This is the maintenance mode of operation.
- The output of the injection patch can be monitored on the top mounted TEST sockets.  
The output test sockets are operational in both inject and normal modes.  
The 4-20mA output is available in two signal types;
  1. Types A and D has 4-20mA on the test output sockets. This is measured with a digital multimeter on a current measurement range.
  2. Types B and C have a 1-5V signal representing 4-20mA on the test output sockets. This is measured with a digital multimeter on a voltage measurement range.



Series 100

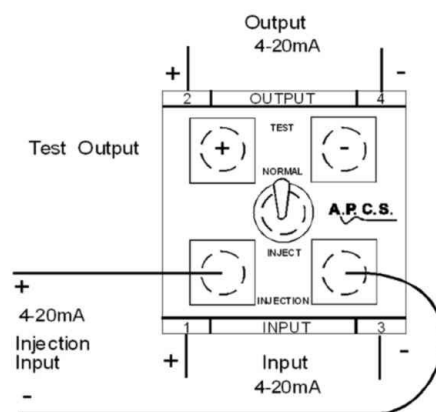


Series 200

### General Specifications

Housing material: ABS.  
 Mounting: DIN-Rail, gear plate.  
 Termination: Screw terminals with covers.  
 Protection class: IP40.  
 Weight: 0.3 kg.  
 Operating temperature range: -10...+60°C.  
 Storage temp. range: -20...+70°C.  
 Input/output isolation: none  
 Test output accuracy: 1% on 1...5V models  
 Same as test instrument on 4-20mA models

Series 100 case size: 52 W x 70 H x 110 D (mm).  
 Series 200 case size: 23.5W x 71.5H x 109D (mm).  
 Electromagnetic compatibility: AS/NZS 4251.1(EN 50081.1)



### Ordering Guide

Part Number	Case	Sockets	Input / Injection	Test Output	Input to Output loop voltage loss
SPL0676A	S100	3mm	4-20mA	4-20mA	< 1V
SPL0676B	S100	3mm	4-20mA	1-5V	5V
SPL0676C	S200	2mm	4-20mA	1-5V	5V
SPL0676D	S200	2mm	4-20mA	4-20mA	< 1V

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