

Series 358 Process Control Module with Assignable Gauges

Catalog number 358039 is a process control module for the 358 Series Vacuum Gauge Controllers which allows versatile assignment of set points to the various gauges. The 10- position DIP Switch S7 is used to select the gauge set point assignment, replacing the standard functions of polarity selection.

Operation

The 358039 module is the same as the standard 6-channel Process Control option with the exceptions noted above. See the Process Control Section (Sections 3.10, 4.14, & 5.12) of the 358013 Instruction Manual for installation and operation of the process control module except for the following:

Relay Polarity Setting

The relays will activate only when the pressure is below the set point or when the Manual Override switch is ON. The relays cannot be programmed to activate on rising pressure. See Section 3-11 of the 358013 Instruction Manual.

Gauge Assignment

Switch S7 on the Process Control Module is used to select the gauge for which each set point operates. The switch numbers used here refer to those numbers stamped onto the switch. To assign the process control channels to the available gauges, set switch S7 according to the Table below. See Figure 3-10 in the 358013 Instruction Manual.

Factory Default Settings

Channels 1 & 2 assigned to ion gauge

Channels 3, 4 & 5 assigned to Convectron Gauge/Thermocouple Gauge A

Channel 6 assigned to Convectron Gauge/Thermocouple Gauge B

See Figure 3-10 (Process Control Relay Polarity Switches) in the 358013 Instruction Manual

PC 1 Gauge Assignment	S7-1	S7-2
IG	ON	ON – Factory Default
CG/TC A	ON	OFF
CG/TC B	OFF	ON
Disabled	OFF	OFF
PC 2 Gauge Assignment	S7-3	S7-4
IG	ON	ON – Factory Default
CG/TC A	ON	OFF
CG/TC B	OFF	ON
Disabled	OFF	OFF
PC 3 Gauge Assignment	S7-5	S7-6
IG	ON	ON
CG/TC A	ON	OFF – Factory Default
CG/TC B	OFF	ON
Disabled	OFF	OFF
PC 4 Gauge Assignment	S7-7	S7-8
IG	ON	ON
CG/TC A	ON	OFF – Factory Default
CG/TC B	OFF	ON
Disabled	OFF	OFF
PC 5 Gauge Assignment	S7-9	
IG	ON	
CG/TC A	OFF – Factory Default	
PC 6 Gauge Assignment	S7-10	
IG	ON	
CG/TC B	OFF – Factory Default	

Factory Default = Factory Default settings as shipped from the factory.



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Addendum
Part Number 017653
Revision B
August 2015
Page 1 of 1