

358 Micro-Ion Gauge Controller Process Control Module with Assignable Gauges

Description: The 017966 is a process control module for the 358040 Vacuum Gauge Controller which allows versatile assignment of set points to the various gauges. The ten-position DIP switch S7 is used to select the gauge set point assignment replacing its standard functions of polarity selection and IG relay assignment. This module also has 0% hysteresis on the PC set points.

Operation: The 017966 module is the same as the standard 358003 with the exceptions noted in 'Description' above. Consult Process Control Section of the 358 instruction manual for installation and operation of the process control module except for the following:

1. 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.
2. 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 Table 1.
The factory default setting is:
Channels 1 & 2 assigned to IG
Channels 3, 4 & 5 assigned to CG/TC A
Channel 6 assigned to CG/TC B

Table 1 – Process Control Gauge Assignments

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

Fac Def – These settings are the Factory Default settings.



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Addendum
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