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TECHNOLOGY GROUP

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Artisan Technology Group
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Find the *Grayhill 70-IAC5* at our website: ***Click HERE***

FEATURES

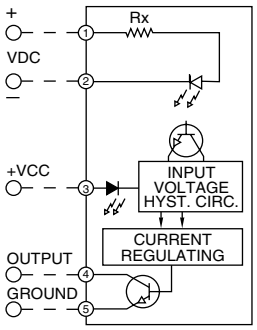
- Transient Protection: Meets the requirements of IEEE 472, "Surge Withstanding Capability Test"
- UL, CSA, CE, TÜV Certified (TÜV not available on OpenLine)
- Optical Isolation
- OpenLine® and G5 Modules have Built-in Status LED
- Lifetime Warranty



70L-IAC 70G-IAC 70-IAC 70M-IAC

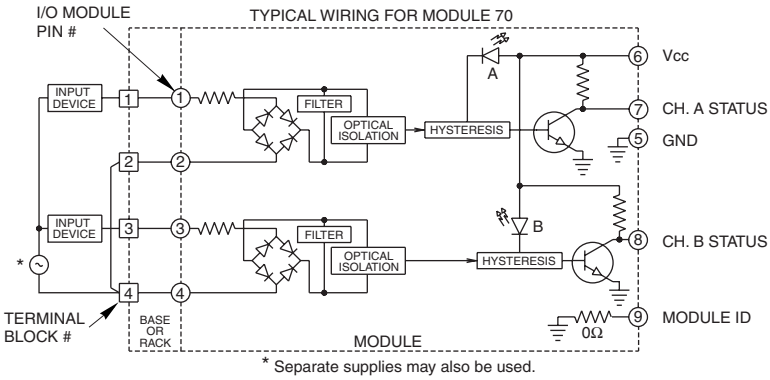
CIRCUITRY

Standard, Mini, G5



Status LED in G5 modules only.

OpenLine®



* Separate supplies may also be used.

SPECIFICATIONS: By Package Style

Package Style		Std (70-)	Mini (70M-)	G5 (70G-)	OL (70L-)
Specifications	**Units**				
Output Current Range	mA	1-50	1-50	1-50	1-50
Minimum Output Breakdown Voltage	Vdc	50	50	50	50
Maximum Turn-On Time	mS	20	20	20	20
Maximum Turn-Off Time	mS	20	20	20	20
Isolation Voltage[1]	Vrms	4000	4000	4000	2500
Vibration[2]		MIL-STD-202	MIL-STD-202	MIL-STD-202	IEC68-2-6
Mechanical Shock[3]		MIL-STD-202	MIL-STD-202	MIL-STD-202	IEC68-2-27
Storage Temp. Range	°C	-40 to +125	-40 to +125	-40 to +125	-40 to +100
Operating Temp. Range	°C	-40 to +100	-40 to +100	-40 to +100	-40 to +85
Warranty		Lifetime	Lifetime	Lifetime	Lifetime

[1] Field to logic and channel-to-channel if Grayhill racks are used.
[2] MIL-STD-202, Method 204, 20 G, 10-2000 Hz or IEC68-2-6, 0.15 mm/sec², 10-150 Hz.
[3] MIL-STD-202, Method 213, Condition F, 1500 G or IEC68-2-27, 11 mS, 15g.

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SPECIFICATIONS: By Part Number

Standard and Miniature Modules

Type/Function		Grayhill Part Number					
Miniature		70M-IAC5	70M-IAC5A	70M-IAC15	70M-IAC15A	70M-IAC24	70M-IAC24A
Standard		70-IAC5	70-IAC5A		70-IAC15A	70-IAC24	70-IAC24A
Specifications	Units						
Nominal Input Voltage	Vac	120	240	120	240	120	240
Input Voltage Range[1]	Vac/Vdc	90-140	180-280	90-140	180-280	90-140	180-280
Input Current @ Maximum Input Voltage	mA, rms	8	6	8	6	8	6
Nominal Input Resistance (Rx)	W	22K	60K	22K	60K	22K	60K
Maximum Pick-Up Voltage (Output Low)	Vac	90	180	90	180	90	180
Minimum Drop-Out Voltage (Output High)	Vac	25	50	25	50	25	50
Nominal Logic Voltage (Vcc)	Vdc	5	5	15	15	24	24
Logic Voltage Range	Vdc	3-6	3-6	8-18	8-18	15-30	15-30
Max. Logic Supply Current @ Nominal Vcc	mA	10	10	10	10	10	10

G5 Modules

Type/Function		Grayhill Part Number					
G5, Status LED		70G-IAC5	70G-IAC5A	70G-IAC15	70G-IAC15A	70G-IAC24	70G-IAC24A
Specifications	Units						
Nominal Input Voltage	Vac	120	240	120	240	120	240
Input Voltage Range[1]	Vac/Vdc	90-140	180-280	90-140	180-280	90-140	180-280
Input Current @ Maximum Input Voltage	mA, rms	8	6	8	6	8	6
Nominal Input Resistance (Rx)	W	22K	60K	22K	60K	22K	60K
Maximum Pick-Up Voltage (Output Low)	Vac	90	180	90	180	90	180
Minimum Drop-Out Voltage (Output High)	Vac	25	50	25	50	25	50
Nominal Logic Voltage (Vcc)	Vdc	5	5	15	15	24	24
Logic Voltage Range	Vdc	4.5-6	4.5-6	10-18	10-18	17-30	17-30
Max. Logic Supply Current @ Nominal Vcc	mA	10	10	10	10	10	10

OpenLine® Modules

Type/Function		Grayhill Part Number	
Dual, Status LED		70L-IAC	70L-IACA
Specifications	Units		
Nominal Input Voltage	Vac	120	240
Input Voltage Range[1]	Vac/Vdc	0-140	0-280
Input Current @ Max. Input Voltage	mA, rms	8	6
Nominal Input Resistance (Rx)	W	22K	64K
Max. Pick-Up Voltage (Output Low)	Vac	90	180
Min. Drop-Out Voltage (Output High)	Vac	25	50
Nominal Logic Voltage (Vcc)	Vdc	5	5
Logic Voltage Range	Vdc	4.5-28	4.5-28
Max. Logic Supply Current @ Nominal Vcc	mA	6/CH	6/CH
Module ID Resistance to Logic Ground	W	0	0

Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

[1] For input voltages in the range of 15-32 Vac, or 35-60 Vac, see DC input Modules with the NP or G suffix.

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