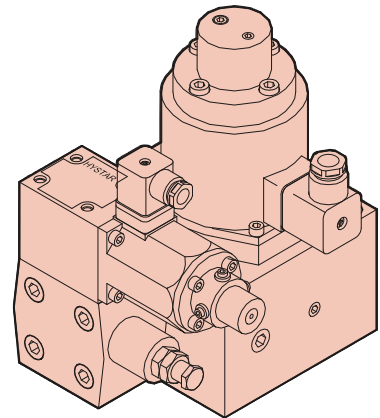
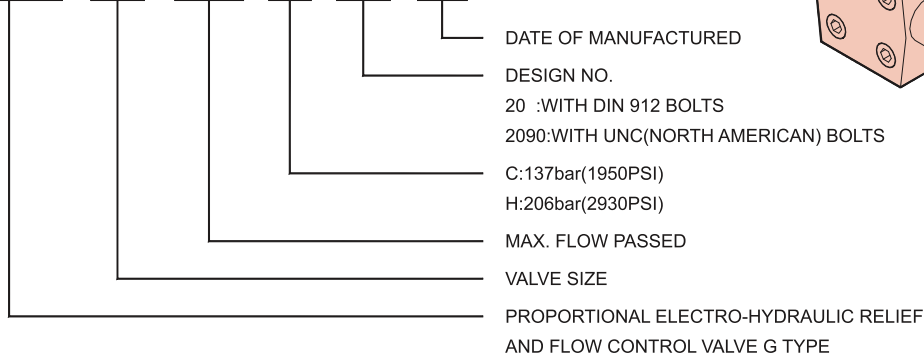




Proportional Electro-Hydraulic Relief And Flow Control Valves (40Ω -10Ω Series)

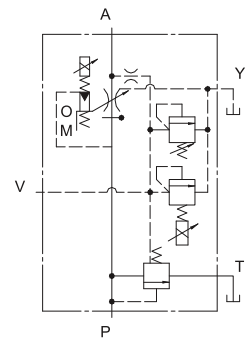
ORDERING CODE:

EFBG - 03 - 125 - C - 20 - *



RATINGS

Description		Model Number	EFBG-03-125	EFBG-06-250	EFBG-10-500
Max. Operating Pres.	bar(PSI)		206(2987)	206(2987)	206(2987)
Max. Flow	lpm(USgpm)		125(33)	250(66)	500(132)
Metred Flow Adjustment Range	lpm(USgpm)		1-125 (.26-33)	2-250 (.52-66)	5-500 (1.32-132)
Flow Controls	Rated Current	mA	750		
	Coil Resistance	Ω	40		
	Valve Internal Resistance (A → B)	bar(PSI)	5(72.5)		
	Hysteresis	%	< 7		
	Repeatability	%	< 1		
Pressure Controls	Pres. Adj. Range	bar(PSI)	C: 8~140(116~2030) H:10~206(145~3000)		
	Rated Current	mA	C:700 H:750		
	Coil Resistance	Ω	10		
	Hysteresis	%	< 3		
	Repeatability	%	< 1		
Weight	kg(lbs.)		18(39.6)	33(72.7)	58(127.8)



Graphic Symbols

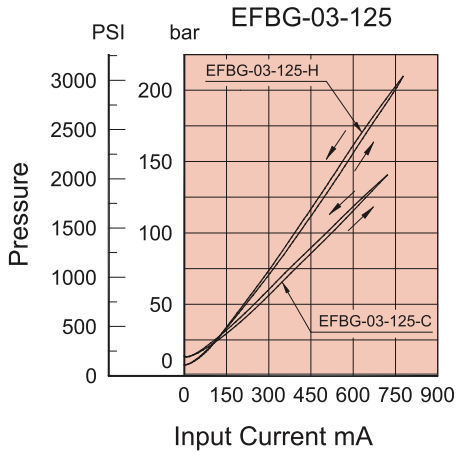


NOTE:

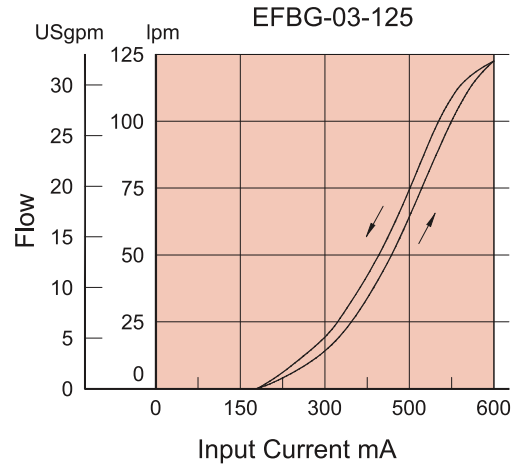
- 1.Pipe the return direct back to tank on its own below the oil level for minimum back pressure.
- 2.The specification chart above relates to performance achievable using the HystAR standard electronic controller type HNC-4075 ,HNC-1085 and a pump flow of 125 lpm.(EFBG-03);250 lpm. (EFBG-06);500 lpm.(EFBG-10); at oil temperature 45°C /113°F and viscosity 45 cSt.

(40Ω-10Ω Series)

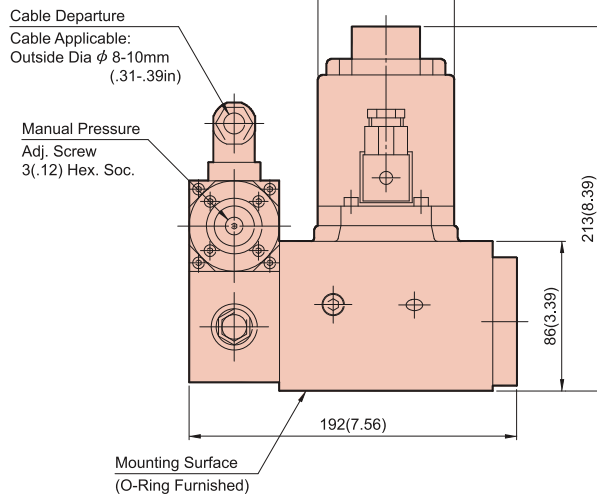
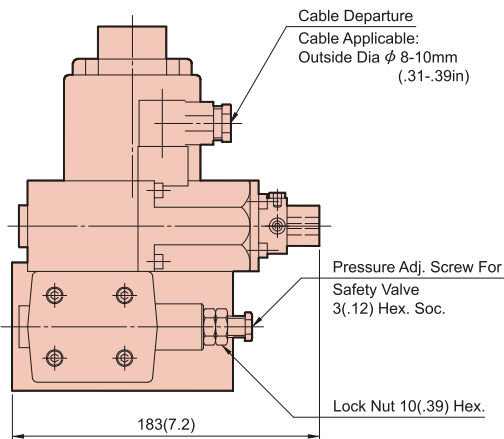
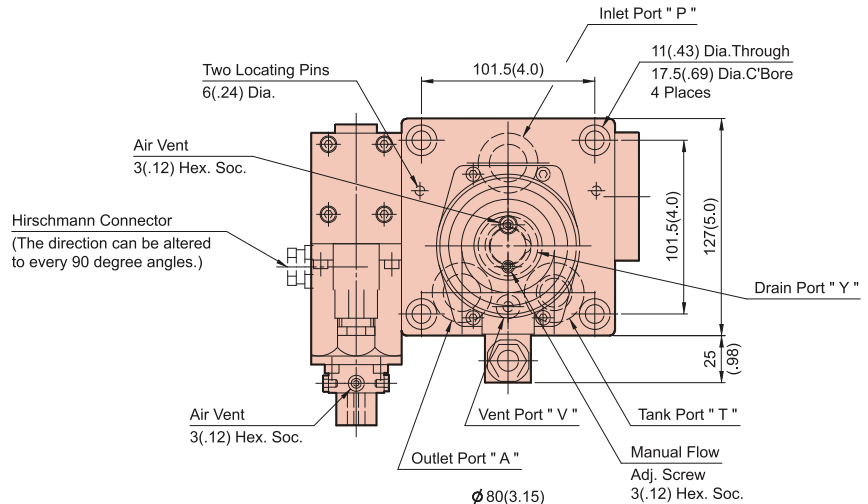
Input Current vs. Pressure



Input Current vs. Flow



EFBG-03-125- * -20

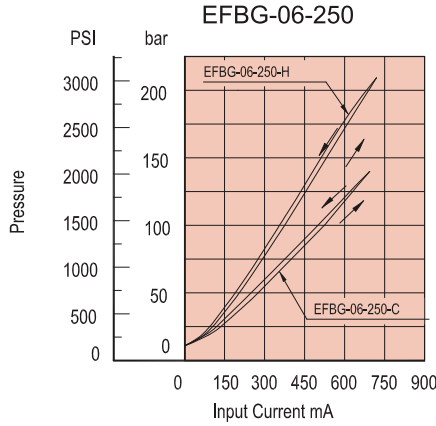


Name	Description	Tightening Torque	Code
Attachment Soc.Hd.Cap Screw:	M10X100LgX4pcs	58-72 Nm	20
Attachment Soc.Hd.Cap Screw:	No.3/8-16UNCX4"LgX4pcs	504-625 in.lbs	2090

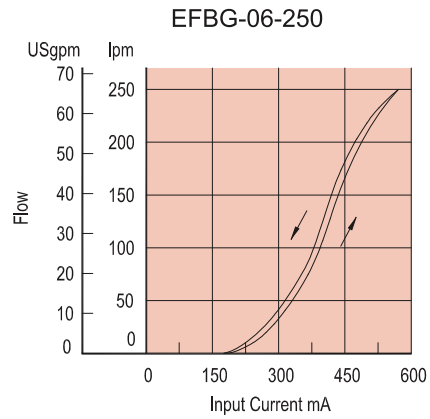


(40 Ω - 10 Ω Series)

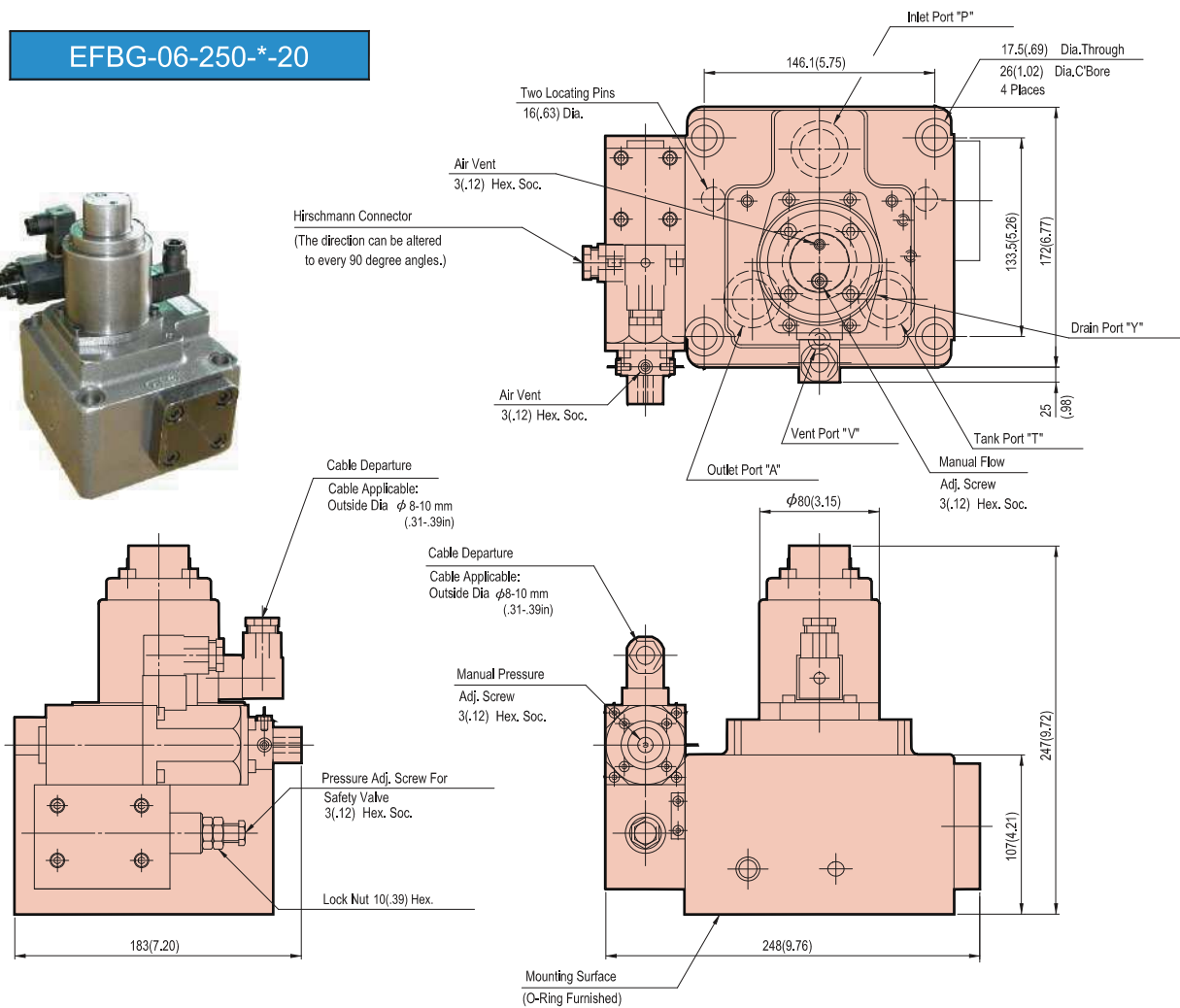
Input Current vs. Pressure



Input Current vs. Flow



EFBG-06-250-* -20



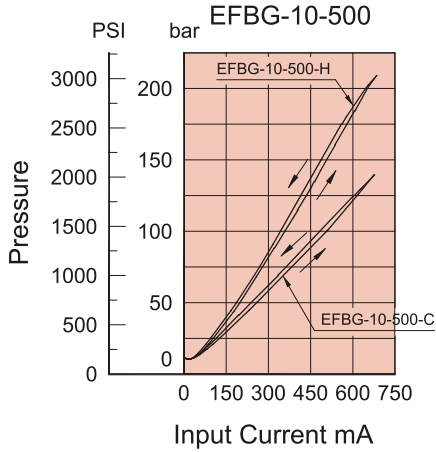
Name	Description	Tightening Torque	Code
Attachment Soc.Hd.Cap Screw:	M16X130Lg X4pcs	286-354 Nm	20
Attachment Soc.Hd.Cap Screw:	No.5/8-11UNCX5LgX4pcs	2482-3073 in.lbs	2090

DIMENSIONS

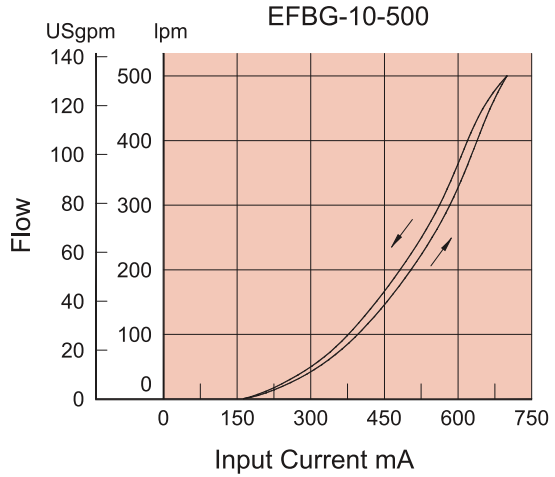
MILLIMETERS(INCHES)

(40Ω-10Ω Series)

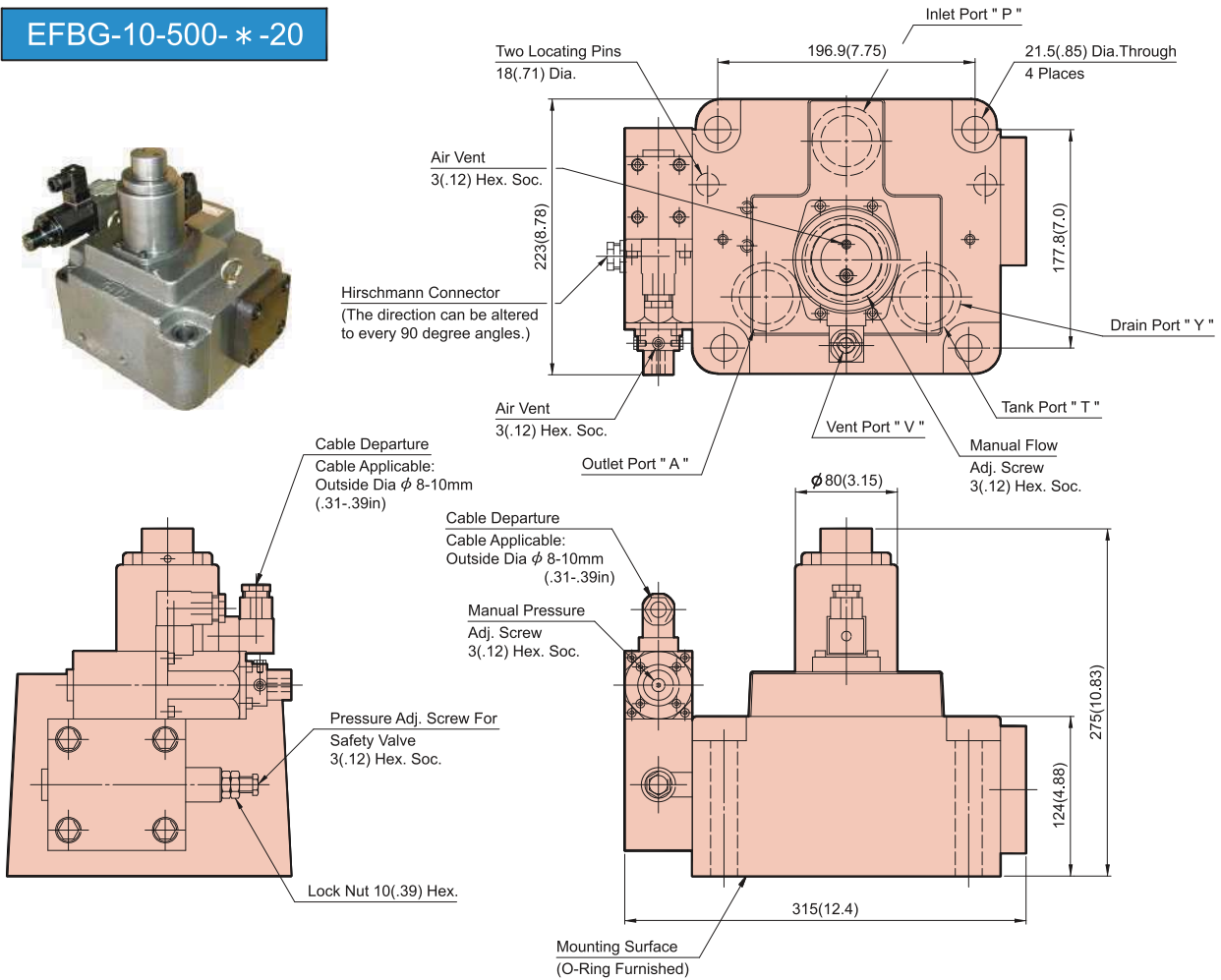
Input Current vs. Pressure



Input Current vs. Flow



EFBG-10-500- * -20



Name	Description	Tightening Torque	Code
Attachment Soc.Hd.Cap Screw:	M20X130LgX4pcs	473-585 Nm	20
Attachment Soc.Hd.Cap Screw:	No.3/4-10UNCX5"LgX4pcs	4106-5078 in.lbs	2090



Electronic Amplifier P-C Board

General Information

1. Electronic amplifier type HNC-1085 is used for proportional pressure control valve. Load coil resistance 10Ω
2. Electronic amplifier type HNC-4075 is used for proportional flow control valve. Load coil resistance 40Ω

ORDERING CODE:

HNC - 1085

1085: FOR PRESSURE CONTROL VALVES
 4075: FOR FLOW CONTROL VALVES
 DA2: DIGITAL SETTING ADJUSTER

MARK

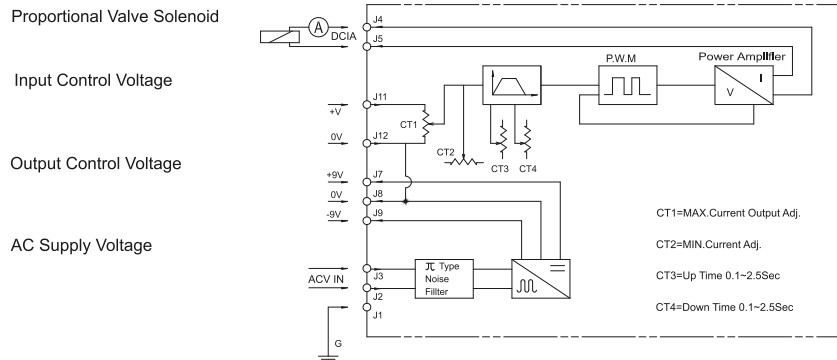
RATINGS

Model Number	HNC-1085	HNC-4075
Description		
Power Supply	AC 28V±20%	AC 40V±20%
Fuse	2A	2A
Load Coil Resistance	$10\Omega/20^\circ\text{C}$ (68°F)	$40\Omega/20^\circ\text{C}$ (68°F)
Input Control Voltage	0V~+9V	0V~+9V
Max. Current Output Range	0~850mA	0~750mA
Pilot Current Adj. Range	0~150mA	0~150mA
Up Ramp Time	0.1~2.5sec	0.1~2.5sec
Down Ramp Time	0.1~2.5sec	0.1~2.5sec
Temperature Drift	0.1mA/°C	0.2mA/°C
Ambient Temperature(Max.)	0~50°C (32~122°F)	0~50°C (32~122°F)
Max. Power Requirement	15VA	40VA



Electronic Amplifier Terminal Connections

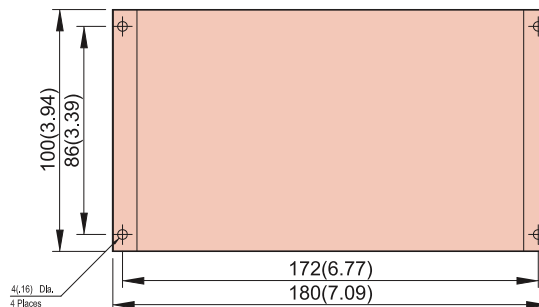
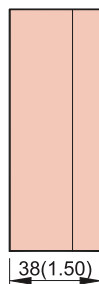
HNC-1085 HNC-4075



DIMENSIONS

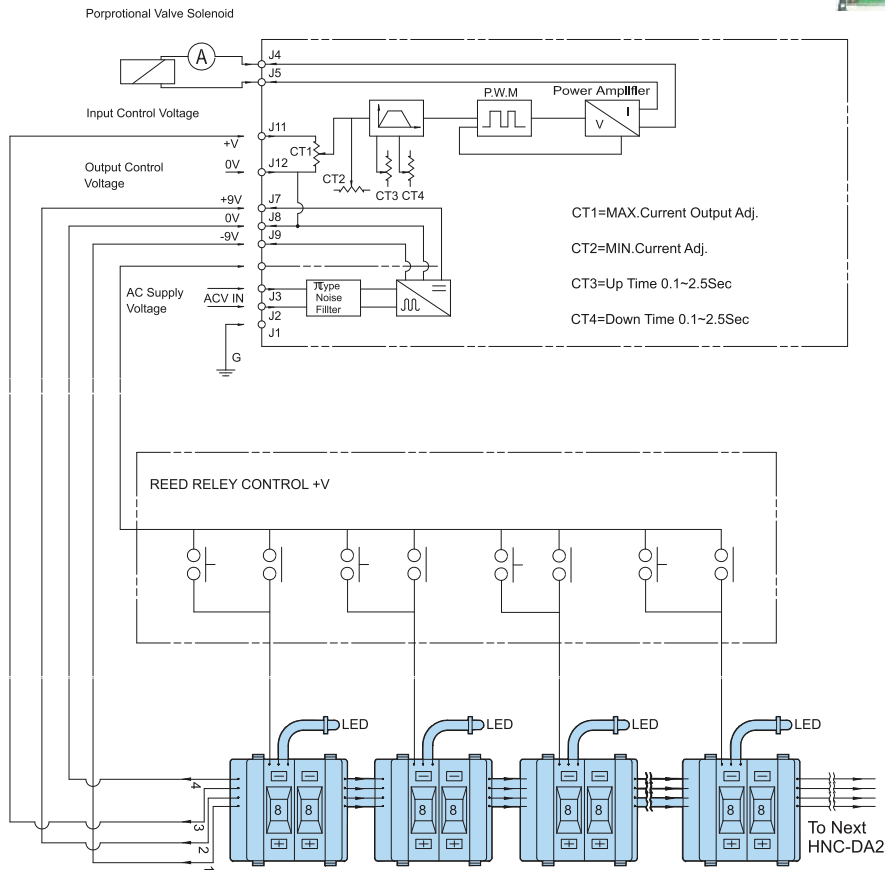
MILLIMETERS(INCHES)

P-C Board Dimensions



Electronic Amplifier Terminal Connections

HNC-1085 HNC-4075



Digital Setting Adjuster

HNC-DA2

