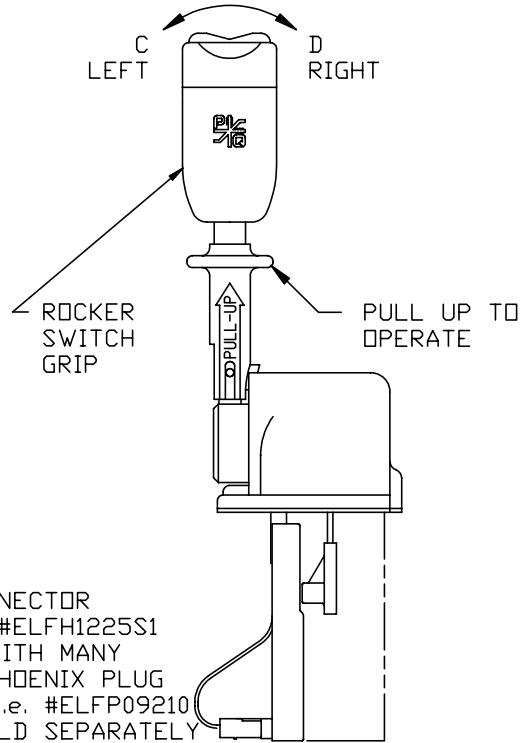
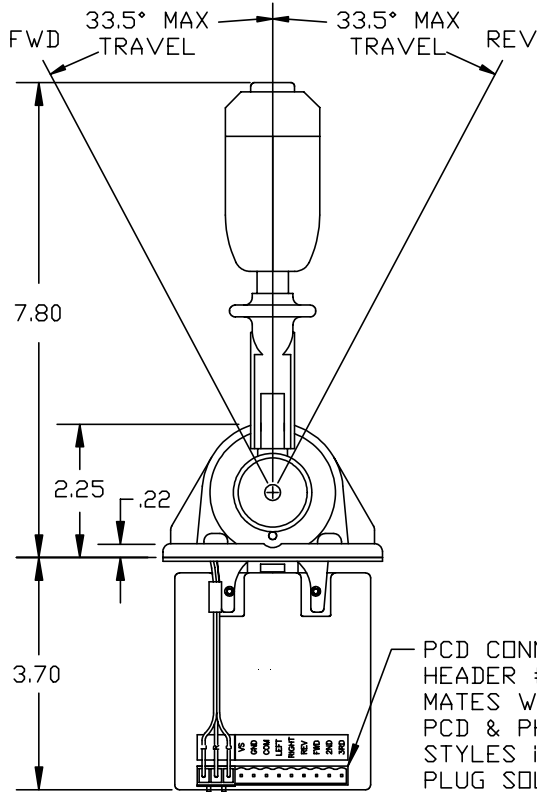
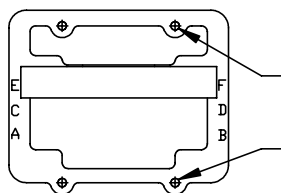


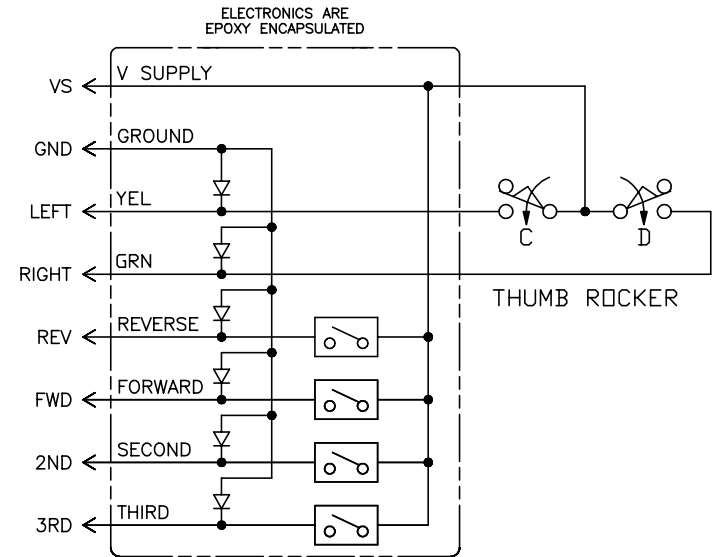
REV.	DESCRIPTION	DATE
A	CHANGED ROCKER SWITCH CONNECTOR ECR #787	08-24-99



PCD CONNECTOR
HEADER #ELFH1225S1
MATES WITH MANY
PCD & PHOENIX PLUG
STYLES i.e. #ELFP09210
PLUG SOLD SEPARATELY



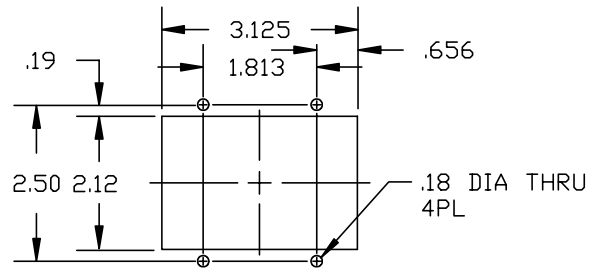
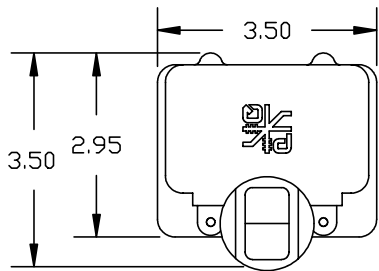
#8-32 UNC-2B THRU
2 PL
#8-32 UNC-2B X .38 DEEP
2 PL



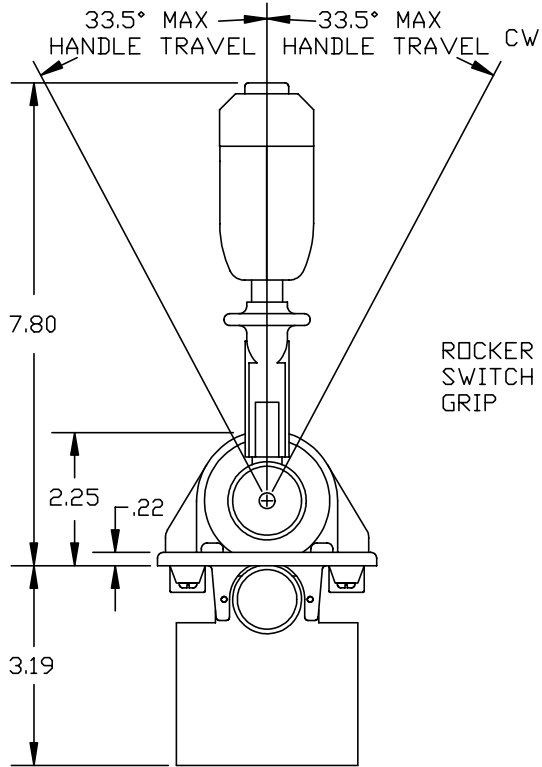
ELECTRICAL CONNECTION

- NOTES: 1) VOLTAGE SUPPLY IS TO BE 10-30VDC.
 2) CONTROL HANDLE IS SPRUNG TO CENTER POSITION.
 3) SLIDE LOCK IS SPRUNG TO LOCKED POSITION.
 4) THE OUTPUTS (FWD, REV, 2ND & 3RD) ARE RATED @ 3.5 AMPS CONTINUOUS AND 8 AMPS PEAK.

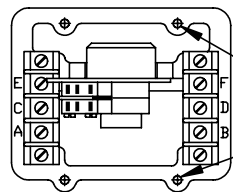
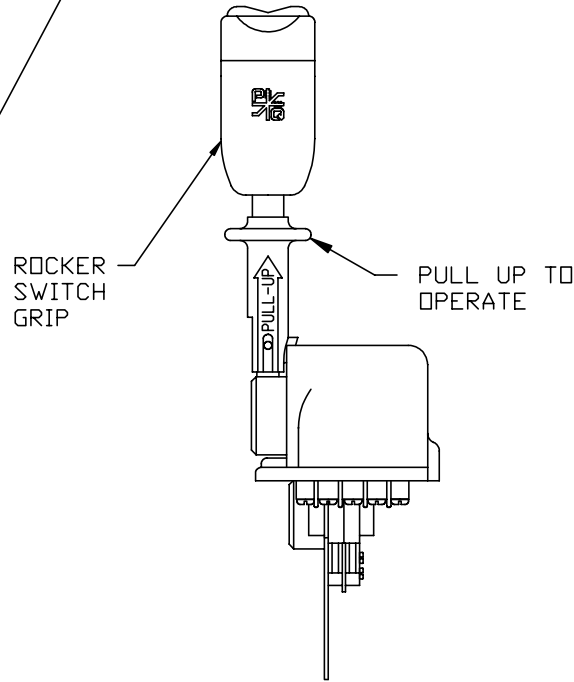
WARNING: P-Q Controls, Inc. products are intended as general purpose switches. They are NOT safety devices and as with any general purpose devices, malfunctions may occur. If P-Q products are used to initiate an operation where false operation could be dangerous, POINT-OF-OPERATION GUARDING DEVICES must be installed and maintained to meet all appropriate OSHA and ANSI machine safety standards. P-Q Controls, Inc. shall not accept responsibility for installation, application or safety of systems.		P-Q Controls, Inc. 95 Dolphin Rd. Bristol, CT 06010 PHONE: (860) 583-6994 FAX: (860) 583-6011		DWG. NO. B-10275	REV. A
		M120-1633 INSTALLATION DWG THREE SPEED CONTACTLESS		SHEET	SCALE 1:2
DRAFTSMAN JCH	CHECK	PROJECT ENGINEER	DATE 07-13-98		



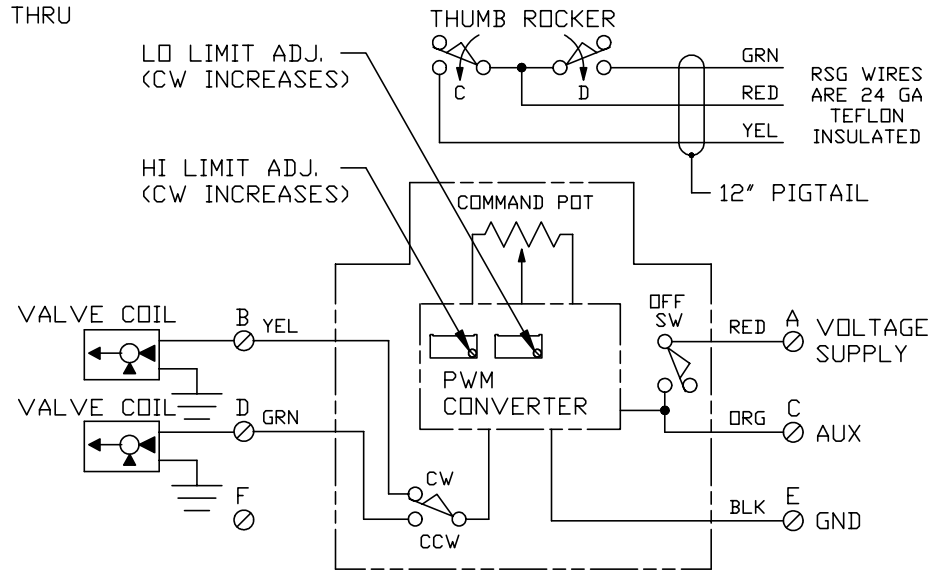
REV.	DESCRIPTION	DATE



PANEL CUTOUT



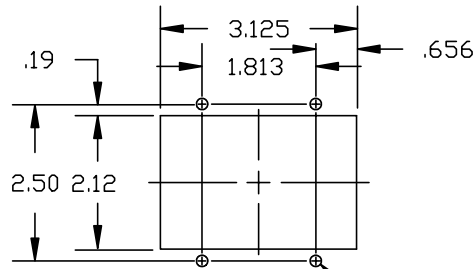
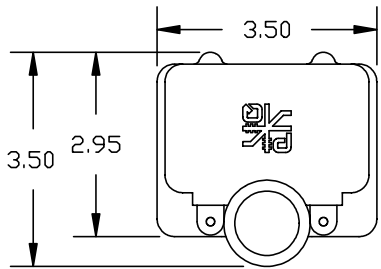
#8-32 UNC-2B THRU 2 PL
 #8-32 UNC-2B X .38 DEEP 2 PL



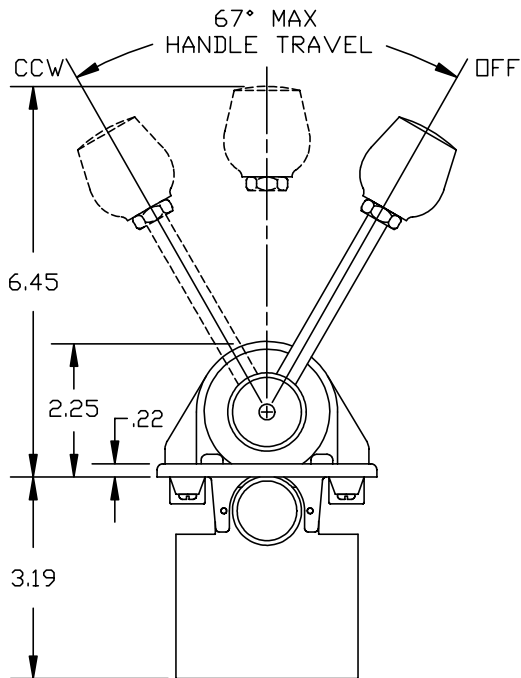
ELECTRICAL CONNECTION

- NOTES: 1) VOLTAGE SUPPLY IS TO BE +12VDC.
 2) WITH A 3.2 OHM VALVE COIL CONNECTED BETWEEN TERM. B & GND AND ANOTHER 3.2 OHM VALVE COIL CONNECTED BETWEEN TERM. D & GND, THE OUTPUT CURRENT WILL RANGE FROM 400 TO 1500mADC. FREQUENCY = 150Hz.
 3) CONTROL HANDLE IS SPRUNG TO CENTER POSITION.
 4) SLIDE LOCK IS SPRUNG TO LOCKED POSITION.

WARNING: P-Q Controls, Inc. products are intended as general purpose switches. They are NOT safety devices and as with any general purpose devices, malfunctions may occur. If P-Q products are used to initiate an operation where false operation could be dangerous, POINT-OF-OPERATION GUARDING DEVICES must be installed and maintained to meet all appropriate OSHA and ANSI machine safety standards. P-Q Controls, Inc. shall not accept responsibility for installation, application or safety of systems.		P-Q Controls, Inc. 95 Dolphin Rd. Bristol CT, 06010 PHONE: (860) 583-6994 FAX: (860) 583-6011		DWG. NO. B-08861	REV.
		M120-1523 INSTALLATION DWG DENNISON		SHEET	SCALE 1:2
DRAFTSMAN JCH	CHECK	PROJECT ENGINEER	DATE 10-19-95		

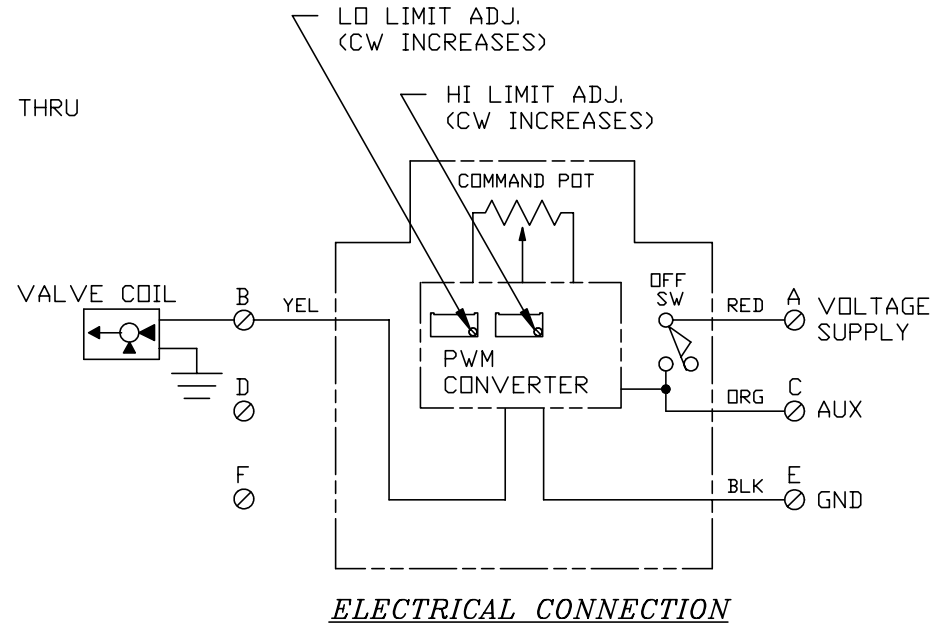
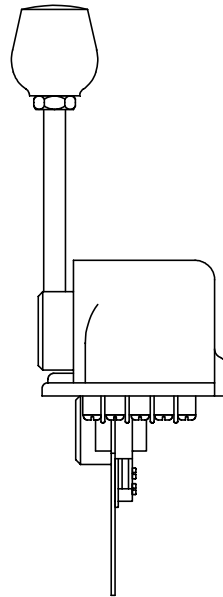


REV.	DESCRIPTION	DATE



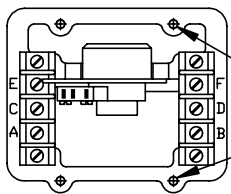
PANEL CUTOUT

.18 DIA THRU
4 PL



ELECTRICAL CONNECTION

- NOTES: 1) VOLTAGE SUPPLY IS TO BE +24VDC.
 2) WITH A 60 OHM VALVE COIL CONNECTED BETWEEN TERM. B & GND, THE OUTPUT WILL RANGE FROM 225 TO 7mADC. PWM FREQUENCY = 100Hz.
 3) CONTROL HANDLE HAS FRICTION DRAG.



#8-32 UNC-2B THRU
2 PL

#8-32 UNC-2B X .38 DEEP
2 PL

WARNING: P-Q Controls, Inc. products are intended as general purpose switches. They are NOT safety devices and as with any general purpose devices, malfunctions may occur. If P-Q products are used to initiate an operation where false operation could be dangerous, POINT-OF-OPERATION GUARDING DEVICES must be installed and maintained to meet all appropriate OSHA and ANSI machine safety standards. P-Q Controls, Inc. shall not accept responsibility for installation, application or safety of systems.

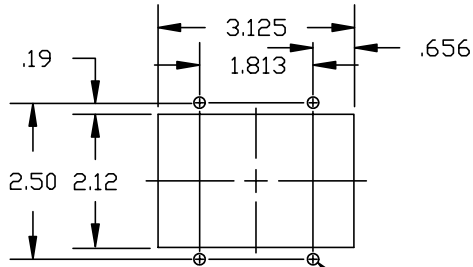
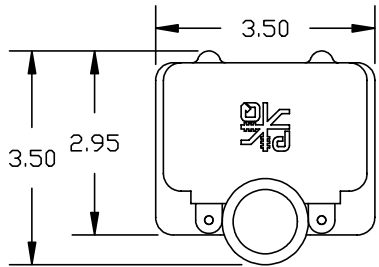


P-Q Controls, Inc.
95 Dolphin Rd.
Bristol CT, 06010
PHONE: (203) 583-6994
FAX: (203) 583-6011

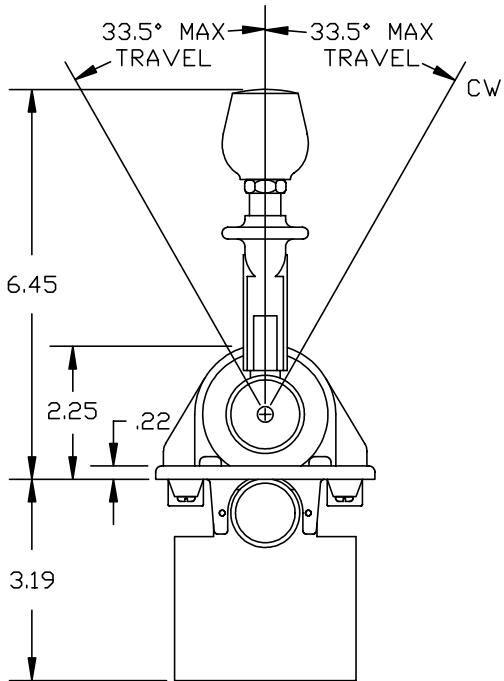
DWG. NO. B-08548	REV.
SHEET	SCALE 1:2

M120-1463 INSTALLATION DWG
DENNISON

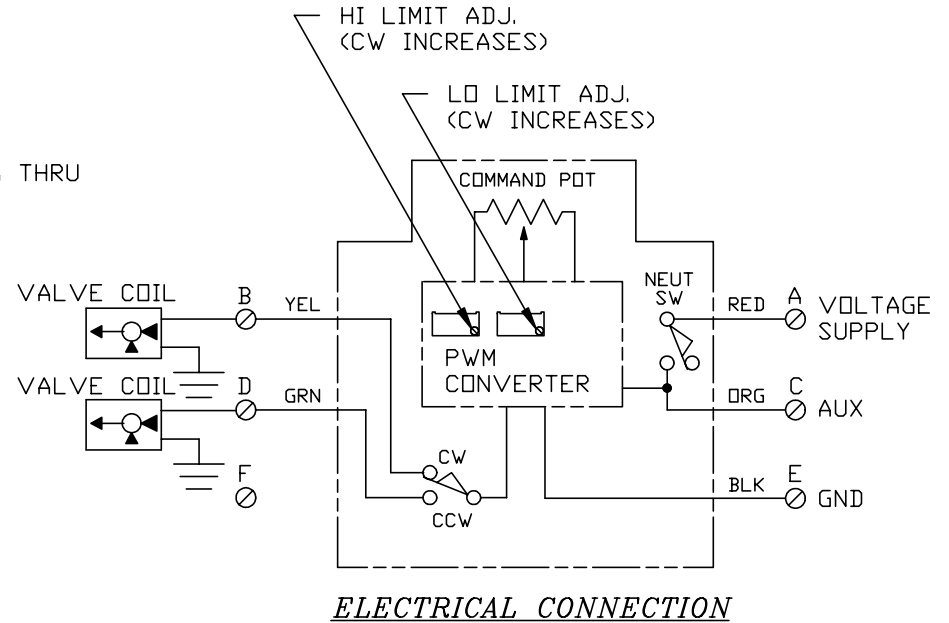
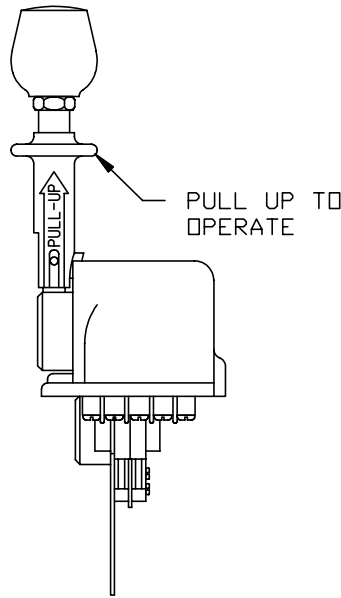
DRAFTSMAN JCH	CHECK	PROJECT ENGINEER	DATE 02-24-95
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REV.	DESCRIPTION	DATE

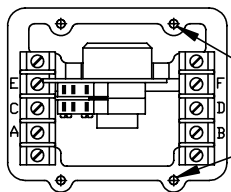


PANEL CUTOUT .18 DIA THRU 4 PL



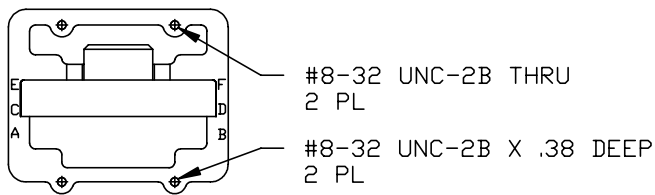
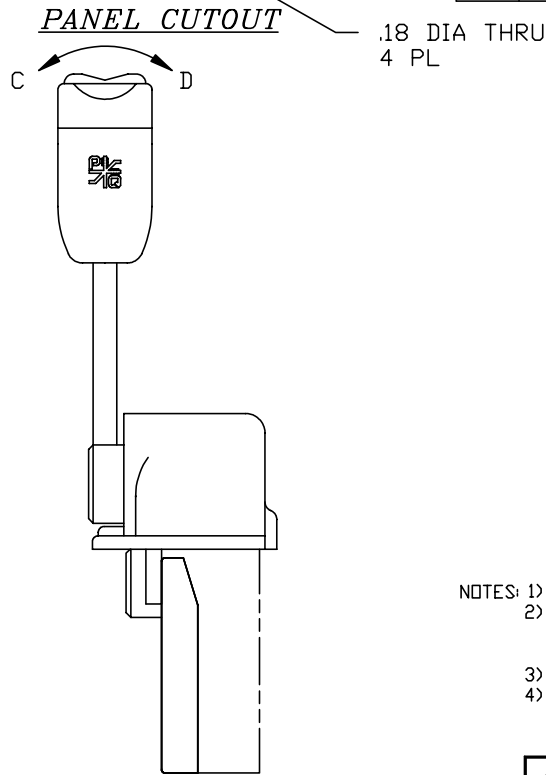
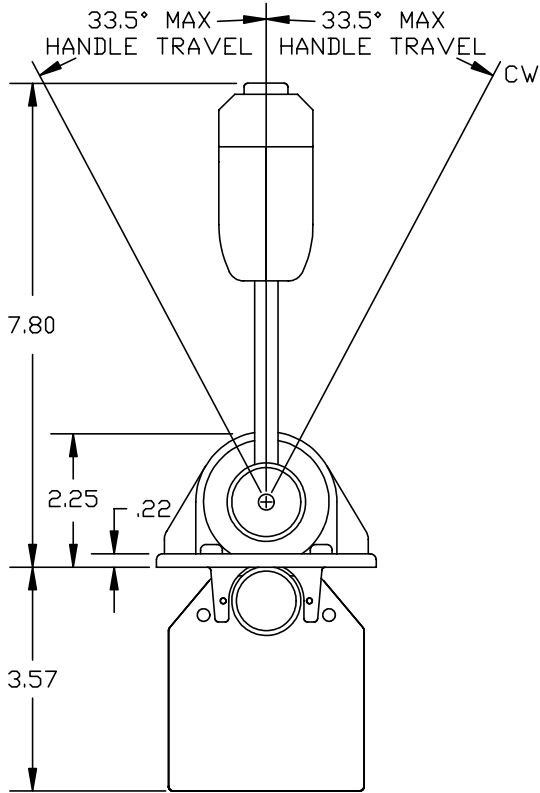
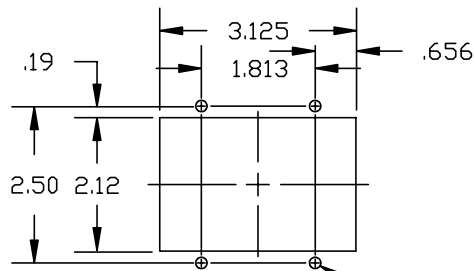
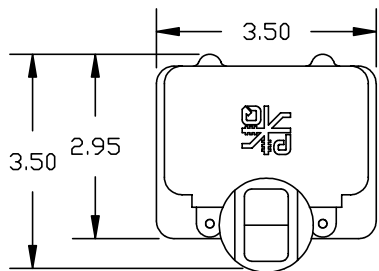
ELECTRICAL CONNECTION

- NOTES: 1) VOLTAGE SUPPLY IS TO BE +24VDC.
 2) WITH A 30 OHM VALVE COIL CONNECTED BETWEEN TERM. B & GND AND ANOTHER 30 OHM VALVE COIL CONNECTED BETWEEN TERM. D & GND, THE OUTPUT CURRENT WILL RANGE FROM 200 TO 500mADC. FREQUENCY = 50Hz.
 3) CONTROL HANDLE HAS FRICTION DRAG.
 4) SLIDE LOCK IS SPRUNG TO LOCKED POSITION.



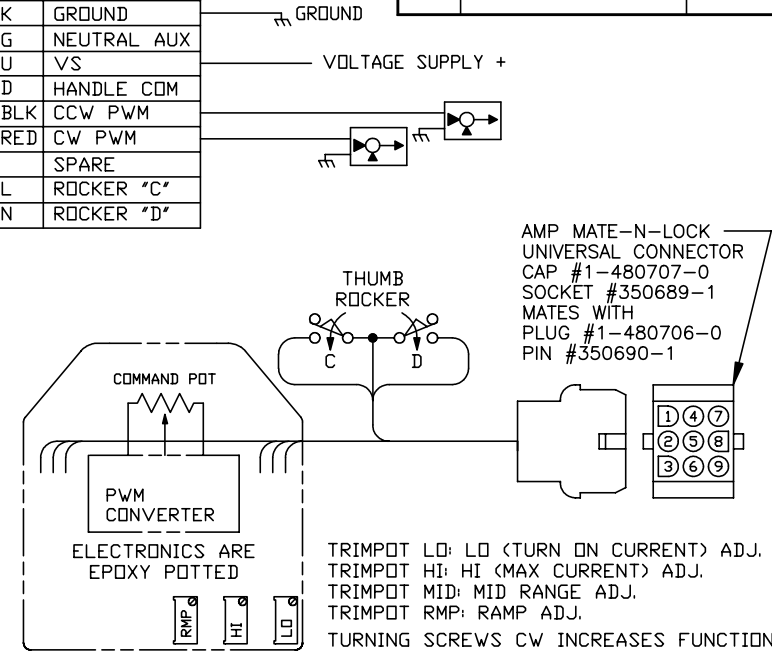
- #8-32 UNC-2B THRU 2 PL
- #8-32 UNC-2B X .38 DEEP 2 PL

WARNING: P-Q Controls, Inc. products are intended as general purpose switches. They are NOT safety devices and as with any general purpose devices, malfunctions may occur. If P-Q products are used to initiate an operation where false operation could be dangerous, POINT-OF-OPERATION GUARDING DEVICES must be installed and maintained to meet all appropriate OSHA and ANSI machine safety standards. P-Q Controls, Inc. shall not accept responsibility for installation, application or safety of systems.		P-Q Controls, Inc. 95 Dolphin Rd. Bristol CT, 06010 PHONE: (203) 583-6994 FAX: (203) 583-6011		DWG. NO. B-08433	REV.
		SHEET	SCALE 1:2	M120-1434 INSTALLATION DWG GRESEN	
DRAFTSMAN JCH	CHECK	PROJECT ENGINEER	DATE 11-14-94		



TERM	COLOR	FUNCTION
1	BLK	GROUND
2	DRG	NEUTRAL AUX
3	BLU	VS
4	RED	HANDLE COM
5	YEL/BLK	CCW PWM
6	YEL/RED	CW PWM
7		SPARE
8	YEL	ROCKER "C"
9	GRN	ROCKER "D"

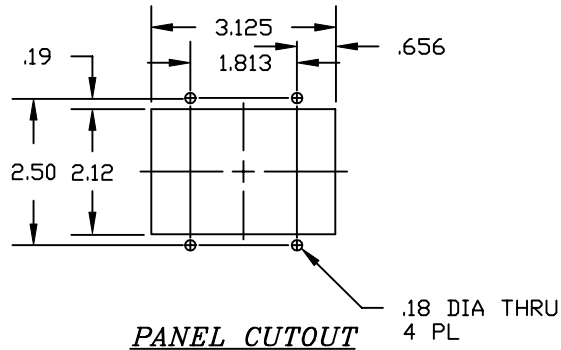
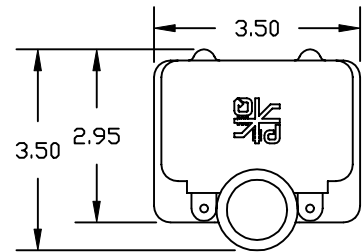
REV.	DESCRIPTION	DATE



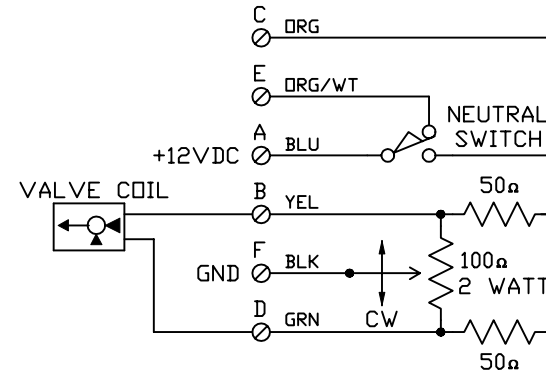
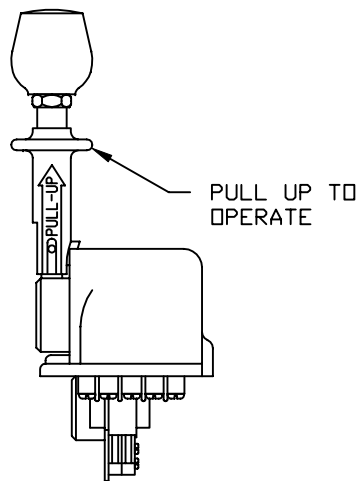
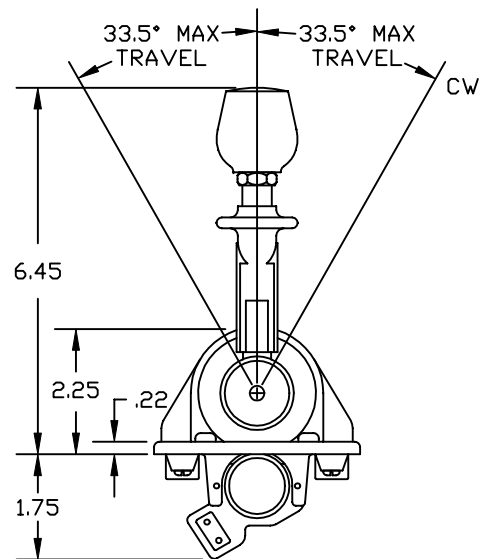
ELECTRICAL CONNECTION

- NOTES: 1) VOLTAGE SUPPLY IS TO BE +24VDC.
 2) WITH A 27 OHM VALVE COIL CONNECTED BETWEEN TERM 5 & GND, AND ANOTHER 27 OHM VALVE COIL CONNECTED BETWEEN TERM 6 & GND, THE OUTPUT CURRENT WILL RANGE FROM 370 TO 720mADC. PWM FREQUENCY = 40-45Hz.
 3) CONTROL HANDLE IS SPRUNG TO CENTER POSITION.
 4) AUX OUTPUTS SWITCH VS WITH 1.5AMP CURRENT LIMIT. NEUTRAL AUX OUTPUT SWITCHES SIMULTANEDOUS WITH EACH PROPORTIONAL OUTPUT.

WARNING: P-Q Controls, Inc. products are intended as general purpose switches. They are NOT safety devices and as with any general purpose devices, malfunctions may occur. If P-Q products are used to initiate an operation where false operation could be dangerous, POINT-OF-OPERATION GUARDING DEVICES must be installed and maintained to meet all appropriate OSHA and ANSI B11 machine safety standards. P-Q Controls, Inc. shall not accept responsibility for installation, application or safety of systems.		P-Q Controls, Inc. 95 Dolphin Rd. Bristol CT, 06010 PHONE: (203) 583-6994 FAX: (203) 583-6011		DWG. NO. B-08268	REV. 1:2
		M120-1388 INSTALLATION DWG HPI		SHEET	SCALE
DRAFTSMAN JCH	CHECK	PROJECT ENGINEER	DATE 08-04-94		

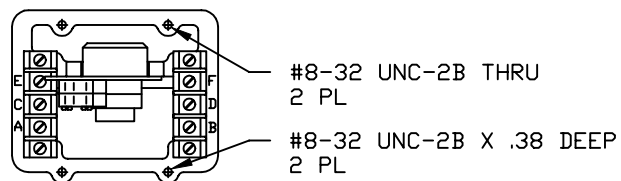


REV.	DESCRIPTION	DATE



ELECTRICAL CONNECTION

- NOTES: 1) VOLTAGE SUPPLY TO BE +12VDC.
 2) WITH A 24 OHM VALVE COIL CONNECTED BETWEEN TERM. B & D, THE OUTPUT CURRENT WILL RANGE FROM 16 TO 125mADC.
 3) CONTROL HANDLE HAS FRICTION DRAG.
 4) SLIDE LOCK IS SPRUNG TO LOCKED POSITION.



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	P-Q Controls, Inc. 95 Dolphin Rd. Bristol CT, 06010 PHONE: (860) 583-6994 FAX: (860) 583-6011	DWG. NO. B-08900	REV.
	SHEET 	SCALE 1:2	DATE 10-30-95
M120-1533 INSTALLATION DWG SUNDSTRAND			
DRAFTSMAN JCH	CHECK 	PROJECT ENGINEER 	DATE 10-30-95