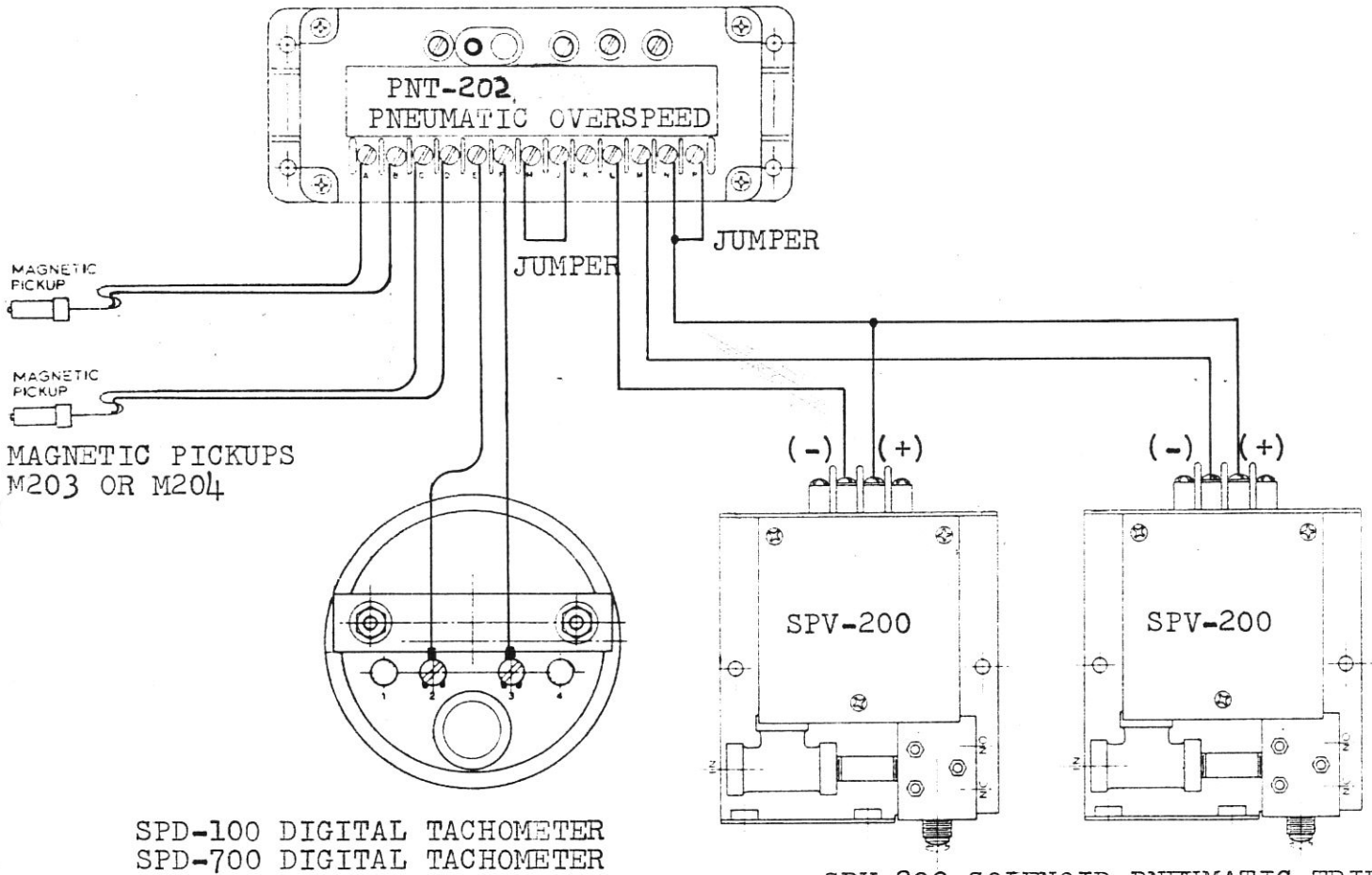


Engineering Specification

Date 5-17-84

INTRINSICALLY SAFE FOR HAZARDOUS LOCATIONS  
CLASS I , DIVISION 1 , GROUPS A ; B , C , D.

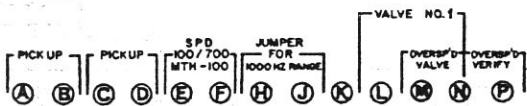


SPD-100 DIGITAL TACHOMETER  
SPD-700 DIGITAL TACHOMETER

SPV-200 SOLENOID PNEUMATIC TRIP  
Max. psi. = 100, Min. psi = 40

NOTES:

- 1.
2. USE MINIMUM GAP ON PICKUPS: GAP BOTH EQUALLY.
3. CONNECT SIGNAL CABLE SHIELD(S) TO GROUND.
4. SETPOINT NO. 1 MODES: JUMPER K TO N TO TRIP ABOVE SET POINT: USE NO JUMPER TO TRIP BELOW SET POINT.
5. TO DRIVE A SINGLE VALVE FROM BOTH SETPOINTS. JUMPER L & M.
6. REMOVE JUMPER FROM N TO P TO LOWER O/S SET POINT 10%.
7. RANGE IS 0-5000 HZ WITHOUT JUMPER H-J.



ELECTRICAL CONNECTIONS

Sheet 1 of 3

v	Date	Engr	ECN	Rev	Date	Engr	ECN	Engr.	Appd.
1	8-7-84	<i>[Signature]</i>	# 435 ADD Pg 5					42-93 M. MORTENSEN	
3	4-14-93	M. M.	# 1726, CSA - DELETE FM					Dwg. No. 8005646	Rev. B

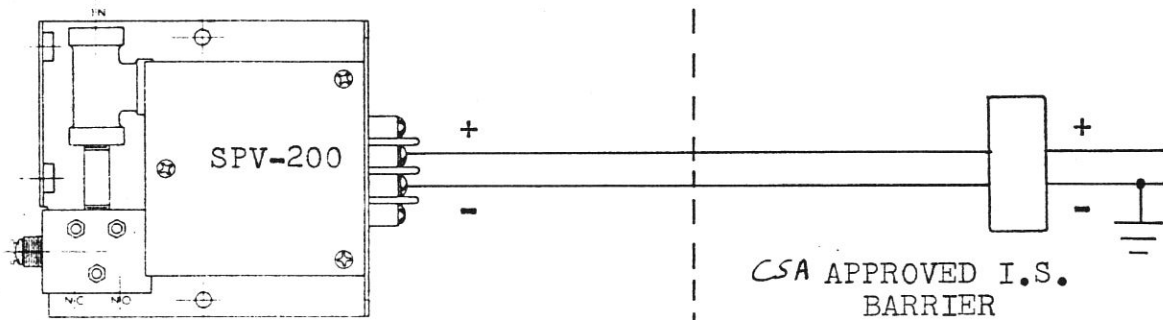
Engineering Specification

Date 5-17-84

INTRINSICALLY SAFE FOR CLASS I, DIVISION 1,  
GROUP A, B, C, D.

HAZARDOUS AREA

NON HAZARDOUS AREA



SPV-200 SOLENOID PNEUMATIC TRIP

ENTITY PARAMETERS:

$V_{max.} = 10V$ ,  $I_{max.} = 150mA$ ,  $C_i = 0$ ,  
 $L_i = 0$

Sheet 2 of 3

Rev	Date	Engr	ECN	Rev	Date	Engr	ECN	Engr.	Appd.
Dwg. No. 8005646								Rev.	R

Engineering Specification

Date 8/07/84

Approval is contingent upon the following requirements:

Terminals for intrinsically safe circuits shall be adequately separated from terminals for non-intrinsically safe circuits by one or more of the methods set forth below.

- 1) A distance of at least 50 mm (2 in.) between terminals of intrinsically safe circuits and other non-intrinsically safe wiring and terminals may be used to meet separation requirements.
- 2) Separation requirements may be accomplished by locating intrinsically safe circuits in separate enclosures from non-intrinsically safe circuits.
- 3) Partitions may be used when housing safe and non-safe circuits in a common enclosure. These partitions should be metal; grounded; of sufficient strength so as not to be damaged by the field wiring process; and they should extend close enough to enclosure walls to provide complete separation of intrinsically safe terminals and wiring from non-intrinsically safe terminals and wiring.

Sheet 3 of 3

Rev	Date	Engr	ECN	Rev	Date	Engr	ECN	Engr.	Appd.
								Dwg. No.	Rev
								8005646	B