

DO NOT SCALE DRAWING

TOLERANCES (UNLESS NOTED)	DECIMALS = ±1/100mm
	X = ±.1 / 2.54
	XX = ±.03 / 0.76
	XXX = ±.001/0.25
ANGLES = ±.30°	SCALE = NONE

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CHECKED	V. Garcia	09/16
ENGINEER	W. Tchan	09/16
SCALE	NONE	

CATEGORY CONTROL DRAWING

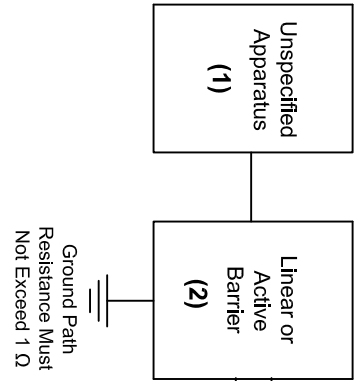
**Field Installation Diagram
PSD/SLD -ISE [HP]
Intrinsically Safe System
For Hazardous 'Classified' Locations
(LCIE/ATEX Intrinsically Safe)**

DRAWING NUMBER 100-100-85

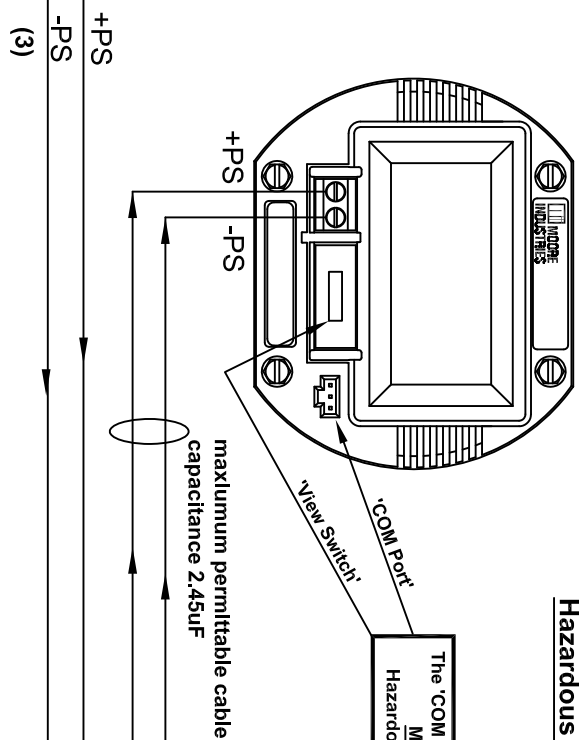
REVISED BY	ECO 17991	DATE	9/16	BY	KD	APPROVAL	CB
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Certified Product
This is a controlled 'Related' or 'Schedule' drawing. No modifications are permitted without the notification and final approval of the Certification Engineer (related dwgs.) or the Certifying Agency (schedule dwgs.)

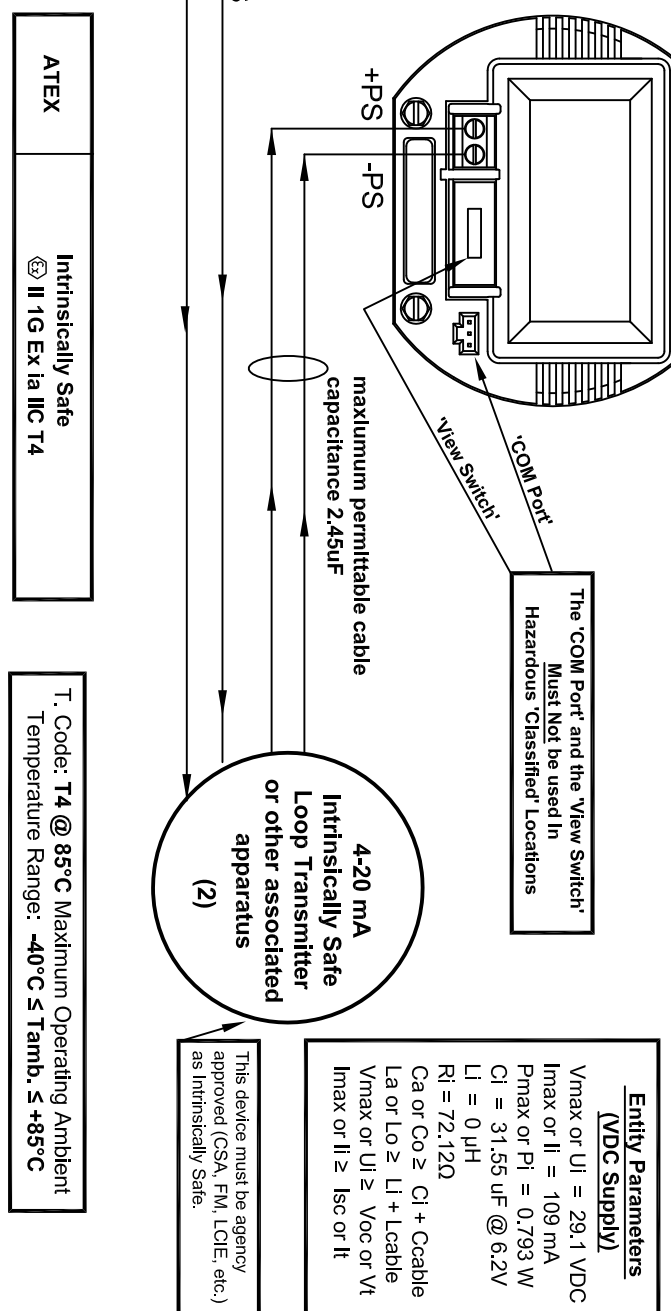
Non-Hazardous (Safe) Area



PSD: PC Programmable Loop Display SLD: Functional Safety Loop Display



Hazardous (Classified) Location/Area



Notes:

- Apparatus which is unspecified except that it **must not** be supplied from, or contain under normal or abnormal conditions a source of potential with respect to earth in excess of 250 VRMS or 250 VDC which is considered to be the Safe Area's maximum voltage.
- The Barrier or other Associated Apparatus **must** be approved by a "specific" certifying agency for I.S. connections. The output voltage **24 VDC ≤ (Voc, Vt or Vo) ≤ 29.1 VDC** & the output current **(Isc, Ii or Io) must not exceed 109 mA**. Also, it **must** be installed per the manufacturer's guidelines.
- The combined Capacitance and Inductance of the Inter-connecting cables and the PC Prog. Transmitters **must not** exceed the values indicated on the Associated Apparatus.
- For CENELEC/ATEX applications, adhere to EN 60079-14 or any equivalent, most current and pertaining publication on I.S. installation guidelines.
- Warning:** Substitution of components may impair the Intrinsic Safety of the unit. **DO NOT** open the unit when either energized or if an explosive gas atmosphere is present. Disconnect power before servicing. Also read, understand and adhere to the manufacturer's installation and operating procedures.
- The maximum power parameters of the COM port (to be used only in safe/non-hazardous areas) are: Vmax = 3.0 VDC, Imax = 300 μA, Pmax = 240 μW.