

SOLENOID / ALARM DRIVER

The unit controls the power to a solenoid valve / audible alarm / annunciator panel located in hazardous areas.

FEATURES:

- * Manufactured according to European Standard EN 60079-0:12 and EN 60079-11:12.
- * Intrinsically Safe galvanically isolated from both main input and output control circuitry - **1500V, 50Hz.**
- * Convenient plug in terminals enable a zero time error-free maintenance and pre-wiring of the control panel.

OPERATION:

It can drive a intrinsically safe low power load. The control switch to be connected in series with the 24V DC supply circuit.

TECHNICAL DETAILS

ART. NO. : [ODA 123 O]

Power Supply Section

Supply Voltage (nominal)

24V DC $\pm 10\%$ from loop at Terminals 7(+) & 8(-).

Ripple

$\leq 10\%$

Power Consumption

60mW

Field Area Section

Max. Input Current

As per graph below at Terminals 1(+), 3(-).

Fail Safe maximum Voltage U_m

Not Nominal Supply

250V r.m.s.

Control Area Section

Maximum Output Voltage

Please see graph at Terminals 7(+), 8(-)

Transfer Characteristics

Max. Ambient Temperature

+55°C

Weight

ca 150g

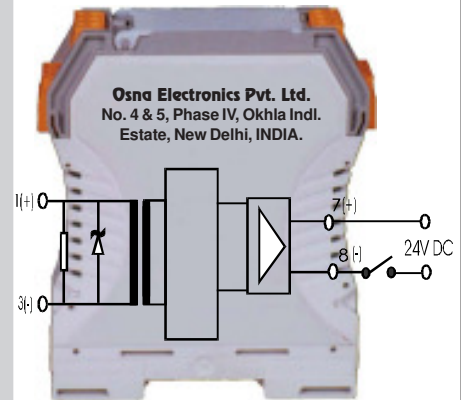
- * Power 24V DC
- * As per graph below
- * Output 45mA at 9V
- * 22.5mm Width

OS Ex-CR-1ST(SD-1)

FIELD

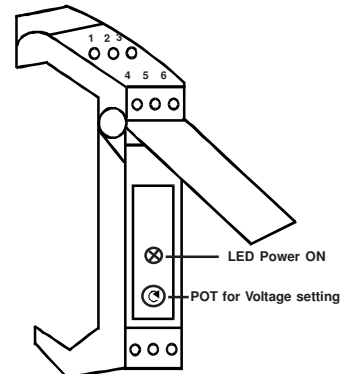
SAFE AREA

Low-Power Load
(Solenoid valve)



Clip onto 35mm rail as per DIN 46277

1	2	3
4	5	6
Osna Electronics		
Type No. OS Ex-CR-1ST(D-1)		
10	11	12
7	8	9



APPROVALS :

Confirming to EN 60079-0:2012 and EN 60079-11:2012.
BUREAU VERITAS Certificate No. EPS 16 ATEX 1 019.

