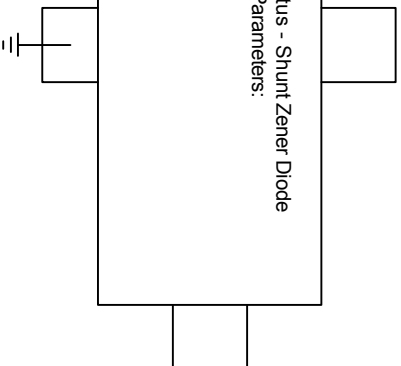
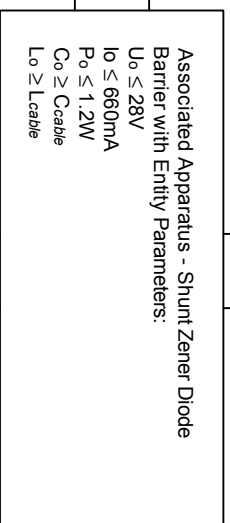
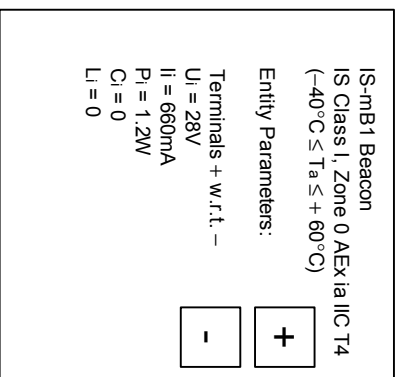


Hazardous (Classified) Location
 Class I, Division 1, Groups A, B, C, D
 Class I, Zone 0, Groups IIA, IIB, IIC

Unclassified Location



1. No revision to drawing without prior FM approval.
 2. The associated apparatus must be FM approved.
 3. The associated apparatus manufacturer's installation drawing must be followed when installing this equipment.
 4. Installation should be in accordance with ANSI/ISA RP12.06.01 "Installation of Intrinsically Safe Systems for Hazardous (Classified) Locations" and the National Electrical Code (ANSI/NFPA 70).
 5. The resistance between the intrinsically safe ground and the earth ground must be less than 1 ohm.
 6. The Shunt Zener Diode Barrier must be a FM approved, resistively limited, single channel barrier having parameters less than, or equal to, those quoted, and for which the output is non-ignition capable for the Class, Division or Zone and Group of use.
 7. The IS-mB1 Beacon enclosure has an ingress protection rating of IP 65. If supplied without cable entry devices then metallic or plastic cable glands, or conduit hubs, shall be fitted that provide the required environmental protection.
 8. To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing.
 9. Substitution of components may impair safety.
- Note:
 CAUTION - Bonding between conduit connections is not automatic and must be provided as part of this installation.

SCHEDULE DRAWING
 No modification permitted
 without reference to the
 "Notified Body"

| | | | | | | | |
|--------|---|-----|----------|--------|-----|-------|----------|
| Issue: | A | MRS | 02-08-06 | Drawn: | MRS | Date: | 21-04-06 |
| Appd. | | | | | | | |
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Title
 IS-mB1 Beacon
 Control Drawing for shunt zener
 diode barrier.



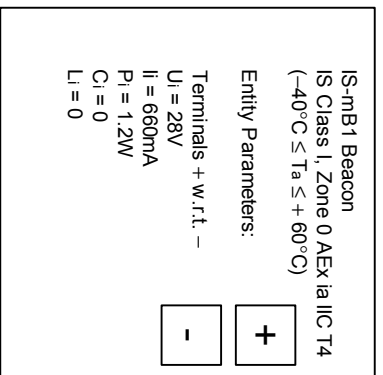
European Safety Systems Ltd.
 Impress House
 Mansell Road
 Acton
 London W3 7QH

Drawing No. Computer Ref. D5036a.dwg

D 5036 Sheet 1 of 2

Hazardous (Classified) Location
 Class I, Division 1, Groups A, B, C, D
 Class I, Zone 0, Groups IIA, IIB, IIC

Unclassified Location



1. No revision to drawing without prior FM approval.
2. The associated apparatus must be FM approved.
3. The associated apparatus manufacturer's installation drawing must be followed when installing this equipment.
4. Installation should be in accordance with ANSI/ISA RP12.06.01 "Installation of Intrinsically Safe Systems for Hazardous (Classified) Locations" and the National Electrical Code (ANSI/NFPA 70).
5. The Galvanically Isolated Supply must be a FM approved, resistively limited, single channel supply having parameters less than, or equal to, those quoted, and for which the output is non-ignition capable for the Class, Division or Zone and Group of use.
6. The IS-mB1 Beacon enclosure has an ingress protection rating of IP 65. If supplied without cable entry devices then metallic or plastic cable glands, or conduit hubs, shall be fitted that provide the required environmental protection.
7. To prevent ignition of flammable or combustible atmospheres, disconnect power before servicing.
8. Substitution of components may impair safety.

Note:
 CAUTION - Bonding between conduit connections is not automatic and must be provided as part of this installation.

SCHEDULE DRAWING
 No modification permitted
 without reference to the
 "Notified Body"

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|--------|---|-----|----------|--------|-----|-------|----------|
| Issue: | A | MRS | 02-08-06 | Drawn: | MRS | Date: | 21-04-06 |
| Appd. | | | | | | | |
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Title
 IS-mB1 Beacon
 Control Drawing for galvanically
 isolated supply.

European Safety Systems Ltd.
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Drawing No. **D 5036** Sheet 2 of 2
 Computer Ref: D5036b.dwg

