

INTRINSICALLY SAFE DRUM ALARM IS-D

1. CONNECT BATTERY

The battery pack connects with the JST connector. Only battery model BT-IS may be used. Battery is Intrinsically Safe and may be changed in the hazardous area. Refer to control drawing IS-001.



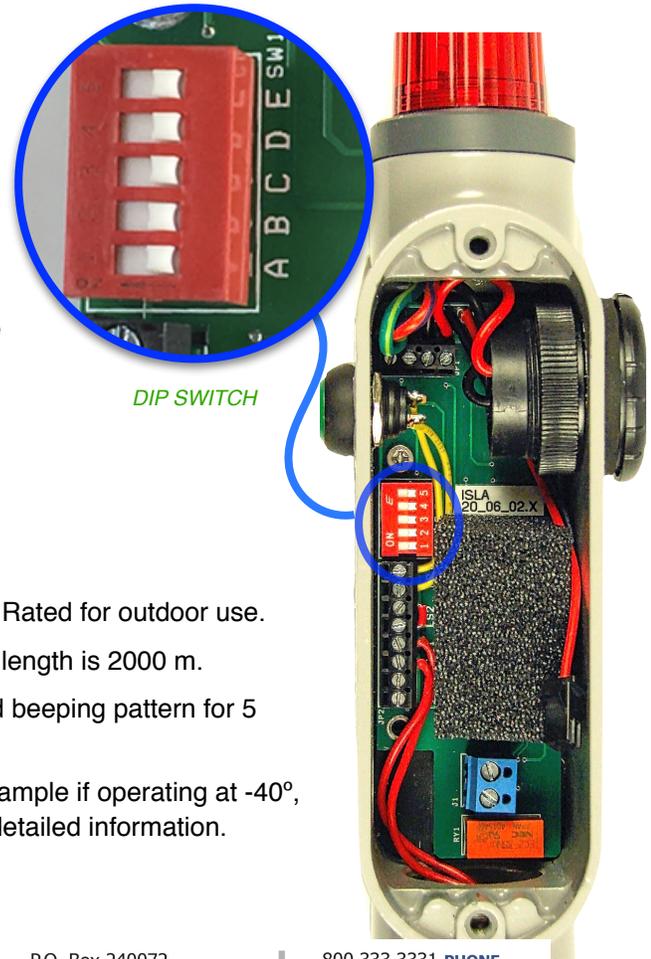
2. PROGRAM DESIRED MODE

- The modes available are selected using the DIP switches as follows:

SWITCH	LEFT	RIGHT
E	Relay output delayed 15 mins.	Relay output is immediate.
D	Relay N.C	Relay N.O.
C	Auto reset of LED, buzzer and relay when level is corrected.	Manual reset: must push button after level is corrected to reset LED and relay.
B	PB shuts off buzzer, but LED & relay stay on until both level is corrected.	Pressing button shuts off buzzer and LED, and resets relay, regardless of level.
A	30 minute buzzer snooze alarm	No buzzer snooze alarm

3. OPERATION

- When there is a level alarm, the LED and buzzer will alternate. The button silences the buzzer. In the mode with switch #2 "ON", the LED will continue to flash until level is corrected. If switch #1 is "ON" the buzzer will sound again after a 30 minute "snooze".
- If the alarm sounds for 60 minutes, the alarm output will be reduced to save battery power. After 60 minutes, all alarms will be reduced to only 5 sec. every 30 seconds. This allows the alarm to last for up to 600 hours (25 days) in this power-saving mode.



4. OTHER POINTS

- Operating temperature is -40°C to 60°C. (-40°F to 140°F) Rated for outdoor use.
- If there is a cable attached to the enclosure, the maximum length is 2000 m.
- Low battery is indicated by an alarm with which has a rapid beeping pattern for 5 seconds every 30 seconds.
- Very low temperatures will diminish the battery life. For example if operating at -40°, the battery will be reduced by half. See website for more detailed information.

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5. RELAY OUTPUT OPTION

- If the relay output is to be connected, follow parameters in “Control Drawing “IS-001” so the remote device in the “safe” area does not introduce an unsafe voltage into the hazardous area. Connect the remote device through an Intrinsically Safe barrier. . Connect the output cable to the IS-D using the cable with screw-lock connector provided.
- There will be an alarm and relay output if the cable becomes disconnected.

6. EXAMPLE INSTALLATION

- Mount IS-D on a drum by screwing the mounting thread into the bung, or placing the mounting cap over the bung, as applicable.



DRUM WITH IS-D ALARM

7. HAZARDOUS LOCATION SAFETY INFORMATION

MARKINGS

- The following label will appear on the product indicating all the relevant markings which are applicable.

ENVIRONMENTAL CONDITIONS

- Outdoor, -40 to +60°C, 2000m elevation.

APPLICABLE STANDARDS

- This product has been certified to the following standards:

CAN/CSA-C22.2 No. 0-10
CAN/CSA-C22.2 No. 60079-0:15
CAN/CSA-C22.2 No. 60079-11:14
ISANSI/ISA-60079-0 (12.00.01)-2013
ANSI/ISA 60079-11 (12.02.01)-2014
CAN/CSA C22.2 No. 61010-1-12
ANSI/UL 61010-1, 3 rd Edition
CAN/CSA-C22.2 No. 60529:16
UL913 Ed 8.0

WARNINGS

- Use Intrinsically Safe battery package BT-IS only with Intrinsically Safe model IS-D.
- Potential electrostatic charging hazard - see control drawing.

ADVERTISSEMENT

- Utilisez le pack de batteries à sécurité intrinsèque BT-IS uniquement avec le modèle IS-D à sécurité intrinsèque.
- Risque potentiel de charge électrostatique - voir les instructions.



LABEL

INTRINSICALLY SAFE DRUM ALARM IS-D

CONDITIONS OF ACCEPTABILITY:

- Simple Apparatus switches are permitted for connection with models IS-AB, IS-T or IS-D, provided that the end user must comply with the following conditions:
- the Simple Apparatus switches are used within their ratings
- the Entity parameters of Drum Alarm device are regarded and correctly applied when connecting the Simple Apparatus switch.
- the Simple Apparatus switch used with any Drum Alarm models IS-AB, IS-T or IS-D shall not form or considered part of the Drum Alarm device.
- Refer to the Control Drawing IS-001 rev. 4.