

Create safe worksites.

Safety is essential for all contractors who perform works at potentially dangerous work sites

Dart Portable warning system

- Portable Dart Module
- Worker Alert device such as a vibrating bracelet, a flash led on helmet, sound buzzer, signal on head set, etc.



PreAcc's Dart Module with internal antenna is a portable system intended to be operated by a supervisor. The Dart Warning Module upon activation by the supervisor, wirelessly sends alerts to workers, present in the work zone, and wearing a personal alert module, warning them for an upcoming danger such as an approaching vehicle like a truck or a load under a crane.

The alerts sent by the Dart Module are received by the worker's personal alert module.

Advantages:

- PreAcc is immune to objects blinding the line of sight such as trees
- Works independent from environmental weather conditions like snow, rain, ice, fog, smog, smoke etc.
- Is a self-contained technology, do not depend on satellite communication or other network facilities so is not affected by internet or satellite interruptions.

Dart Module:

- Danger Alarm button: When pressed, the alarm signal is wirelessly sent to the workers who are part of the supervisor's team for an upcoming dangerous situation
- Safe button: When pressed, the safe signal is wirelessly sent to the workers who are part of the supervisor's team
- Battery test button: To check the status of the rechargeable battery
- The Dart Module can be programmed (adjusted) for workers zone size from 10 to 200 meters.
- Internal antenna 360 providing a radial zone

Special Feature

- The Dart module can optionally be equipped with a selection switch enabling the supervisor to control two work teams. The bracelets for each team are coded and only are active when the supervisor alerts the select work team.
- The Dart Warning System could be extended with tripod that holds a Diaz Relay Module and communicates with both the Dart Module (supervisor) or an incoming vehicle

Bracelet:

- The bracelet will vibrate strongly when receiving the danger alert signals from the Dart Module.
- The bracelet will vibrate when receiving the safe signal from the Dart Module
- The duration of the vibrations depends on the type of alert



- Warns the workers automatically when he moves out of the working zone and out of reach of the Dart Module
- Button to check the status of the rechargeable battery
- Could be coded enabling to respond to one Dart Module only and not disturbed by other supervisors

Optional warning devices:

- Helmet or vests equipped with flashing LED's
- Alert signal in head set
- Audio/ Light warning



Specifications

Dart Module

- Dimension about 12 x 8 x 4 cm
- Weight 0,4 kg
- Rechargeable battery

We use Radio frequencies & Electromagnetic fields for detection as well as communications because detection must be immune to work site conditions

Immune to stuff;

- Mud
- Dust
- Sand
- Steam



Immune to the environment;

- Fog
- Rain
- Snow
- Ice



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